

Publication list (20/11/2016) of

# Marcel Vreeswijk

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By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1608.03086 [hep-ex]].  
[10.1016/j.physletb.2016.10.014](https://arxiv.org/abs/1608.03086).  
Phys.Lett. B763 (2016) 114-133.

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By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1608.02372 [hep-ex]].  
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Phys.Lett. B763 (2016) 251-268.

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[arXiv:1608.00890 [hep-ex]].  
[10.1140/epjc/s10052-016-4400-6](https://arxiv.org/abs/1608.00890).  
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[arXiv:1607.08430 [hep-ex]].

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[arXiv:1607.08079 [hep-ex]].  
[10.1140/epjc/s10052-016-4385-1](https://arxiv.org/abs/1607.08079).

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[arXiv:1607.07281 [hep-ex]].

[10.1103/PhysRevD.94.092003](https://doi.org/10.1103/PhysRevD.94.092003).  
Phys.Rev. D94 (2016) no.9, 092003.

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[arXiv:1607.06605 [hep-ex]].

[10.1016/j.physletb.2016.08.020](https://doi.org/10.1016/j.physletb.2016.08.020).

Phys.Lett. B761 (2016) 158-178.

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[arXiv:1607.06363 [hep-ex]].

[10.1016/j.physletb.2016.11.005](https://doi.org/10.1016/j.physletb.2016.11.005).

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[arXiv:1607.05621 [hep-ex]].

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[arXiv:1607.03745 [hep-ex]].

[10.1103/PhysRevD.94.032011](https://doi.org/10.1103/PhysRevD.94.032011).

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[arXiv:1607.03669 [hep-ex]].

[10.1016/j.physletb.2016.08.055](https://doi.org/10.1016/j.physletb.2016.08.055).

Phys.Lett. B761 (2016) 372-392.

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[arXiv:1607.03400 [hep-ex]].

[10.1103/PhysRevLett.117.111802](https://doi.org/10.1103/PhysRevLett.117.111802).

Phys.Rev.Lett. 117 (2016) no.11, 111802.

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[arXiv:1606.09490 [hep-ex]].  
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JHEP 1609 (2016) 074.

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[arXiv:1606.09150 [hep-ex]].  
[10.1140/epjc/s10052-016-4344-x](https://doi.org/10.1140/epjc/s10052-016-4344-x).  
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[arXiv:1606.08772 [hep-ex]].  
[10.1140/epjc/s10052-016-4382-4](https://doi.org/10.1140/epjc/s10052-016-4382-4).  
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[arXiv:1606.08391 [hep-ex]].  
[10.1140/epjc/s10052-016-4418-9](https://doi.org/10.1140/epjc/s10052-016-4418-9).  
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[10.1140/epjc/s10052-016-4325-0](https://doi.org/10.1140/epjc/s10052-016-4325-0).  
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[arXiv:1606.05129 [hep-ex]].  
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Phys.Lett. B760 (2016) 647-665.

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[arXiv:1606.04782 [hep-ex]].

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[arXiv:1606.04017 [hep-ex]].

[10.1016/j.physletb.2016.08.052.](#)

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[arXiv:1606.03977 [hep-ex]].

[10.1016/j.physletb.2016.09.040.](#)

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By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1606.03903 [hep-ex]].

[10.1103/PhysRevD.94.052009.](#)

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By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1606.02699 [hep-ex]].

[10.1016/j.physletb.2016.08.019.](#)

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By ATLAS Collaboration (M. Aaboud et al.).

[arXiv:1606.02625 [hep-ex]].

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[arXiv:1606.02266 [hep-ex]].

[10.1007/JHEP08\(2016\)045](https://arxiv.org/abs/1606.02265).

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By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1606.02265 [hep-ex]].

[10.1016/j.physletb.2016.07.030](https://arxiv.org/abs/1606.02265).

Phys.Lett. B760 (2016) 520-537.

50) [Search for the Standard Model Higgs boson produced by vector-boson fusion in 8 TeV pp collisions and decaying to bottom quarks with the ATLAS detector.](https://arxiv.org/abs/1606.02181)

By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1606.02181 [hep-ex]].

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By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1606.02179 [hep-ex]].

[10.1016/j.physletb.2016.08.042](https://arxiv.org/abs/1606.02179).

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By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1606.01736 [hep-ex]].

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By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1606.01133 [hep-ex]].

[10.1140/epjc/s10052-016-4335-y](https://arxiv.org/abs/1606.01133).

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By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1606.00689 [hep-ex]].

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By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1605.09318 [hep-ex]].



[10.1103/PhysRevD.94.032003](https://doi.org/10.1103/PhysRevD.94.032003).  
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By ATLAS Collaboration (Morad Aaboud et al.).  
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[arXiv:1605.06436 [hep-ex]].  
[10.1016/j.physletb.2016.10.053](https://doi.org/10.1016/j.physletb.2016.10.053).  
Phys.Lett. B763 (2016) 313-336.

59) [Search for scalar leptoquarks in  \$pp\$  collisions at  \$\sqrt{s} = 13\$  TeV with the ATLAS experiment.](#)

By ATLAS Collaboration (Morad Aaboud et al.).  
[arXiv:1605.06035 [hep-ex]].  
[10.1088/1367-2630/18/9/093016](https://doi.org/10.1088/1367-2630/18/9/093016).  
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By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1605.04285 [hep-ex]].  
[10.1140/epjc/s10052-016-4397-x](https://doi.org/10.1140/epjc/s10052-016-4397-x).  
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By ATLAS Collaboration (Morad Aaboud et al.).  
[arXiv:1605.03814 [hep-ex]].  
[10.1140/epjc/s10052-016-4184-8](https://doi.org/10.1140/epjc/s10052-016-4184-8).  
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[arXiv:1604.07773 [hep-ex]].  
[10.1103/PhysRevD.94.032005](https://doi.org/10.1103/PhysRevD.94.032005).  
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By ATLAS Collaboration (Georges Aad et al.).  
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[10.1103/PhysRevD.94.032006](#).  
Phys.Rev. D94 (2016) no.3, 032006.

66) [Measurements of  \$Z\gamma\$  and  \$Z\gamma\gamma\$  production in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1604.05232 [hep-ex]].  
[10.1103/PhysRevD.93.112002](#).  
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By ATLAS Collaboration (Morad Aaboud et al.).  
[arXiv:1604.04520 [hep-ex]].  
[10.1103/PhysRevD.93.112015](#).  
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By ATLAS Collaboration (Morad Aaboud et al.).  
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[arXiv:1604.03812 [hep-ex]].  
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By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1604.02997 [hep-ex]].  
[10.1007/JHEP08\(2016\)104](#).  
JHEP 1608 (2016) 104.

71) [Search for new phenomena in events with a photon and missing transverse momentum in  \$pp\$  collisions at  \$\sqrt{s}=13\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1604.01306 [hep-ex]].  
[10.1007/JHEP06\(2016\)059](https://arxiv.org/abs/1604.01306).  
JHEP 1606 (2016) 059.

72) [Measurement of  \$W^{\pm}\$  and  \$Z\$ -boson production cross sections in  \$pp\$  collisions at  \$\sqrt{s}=13\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1603.09222 [hep-ex]].

[10.1016/j.physletb.2016.06.023](https://arxiv.org/abs/1603.09222).

Phys.Lett. B759 (2016) 601-621.

73) [Search for charged Higgs bosons produced in association with a top quark and decaying via  \$H^{\pm} \rightarrow \tau \nu\$  using  \$pp\$  collision data recorded at  \$\sqrt{s} = 13\$  TeV by the ATLAS detector.](#)

By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1603.09203 [hep-ex]].

[10.1016/j.physletb.2016.06.017](https://arxiv.org/abs/1603.09203).

Phys.Lett. B759 (2016) 555-574.

74) [Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1603.09202 [hep-ex]].

[10.1088/1748-0221/11/05/P05013](https://arxiv.org/abs/1603.09202).

JINST 11 (2016) no.05, P05013.

75) [Search for resonances in the mass distribution of jet pairs with one or two jets identified as  \$b\$ -jets in proton-proton collisions at  \$\sqrt{s}=13\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Morad Aaboud et al.).

[arXiv:1603.08791 [hep-ex]].

[10.1016/j.physletb.2016.05.064](https://arxiv.org/abs/1603.08791).

Phys.Lett. B759 (2016) 229-246.

76) [Muon reconstruction performance of the ATLAS detector in proton-proton collision data at  \$\sqrt{s}=13\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1603.05598 [hep-ex]].

[10.1140/epjc/s10052-016-4120-y](https://arxiv.org/abs/1603.05598).

Eur.Phys.J. C76 (2016) no.5, 292.

77) [Identification of high transverse momentum top quarks in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1603.03127 [hep-ex]].

[10.1007/JHEP06\(2016\)093](https://arxiv.org/abs/1603.03127).

JHEP 1606 (2016) 093.

78) [Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1603.02934 [hep-ex]].

79) [Charged-particle distributions in  \$pp\$  interactions at  \$\sqrt{s}=8\$  TeV measured with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1603.02439 [hep-ex]].

[10.1140/epjc/s10052-016-4203-9.](#)

Eur.Phys.J. C76 (2016) no.7, 403.

80) [Measurements of  \$W^\pm Z\$  production cross sections in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector and limits on anomalous gauge boson self-couplings.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1603.02151 [hep-ex]].

[10.1103/PhysRevD.93.092004.](#)

Phys.Rev. D93 (2016) no.9, 092004.

81) [Measurement of total and differential  \$W^+W^-\$  production cross sections in proton-proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1603.01702 [hep-ex]].

[10.1007/JHEP09\(2016\)029.](#)

JHEP 1609 (2016) 029.

82) [Search for supersymmetry at  \$\sqrt{s}=13\$  TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1602.09058 [hep-ex]].

[10.1140/epjc/s10052-016-4095-8.](#)

Eur.Phys.J. C76 (2016) no.5, 259.

83) [Measurement of event-shape observables in  \$Z \rightarrow \ell^+ \ell^-\$  events in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1602.08980 [hep-ex]].

[10.1140/epjc/s10052-016-4176-8.](#)

Eur.Phys.J. C76 (2016) no.7, 375.

84) [Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using  \$\sqrt{s}=13\$  TeV proton-proton collisions.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1602.06194 [hep-ex]].

[10.1016/j.physletb.2016.04.005.](#)

Phys.Lett. B757 (2016) 334-355.

85) [Search for single production of a vector-like quark via a heavy gluon in the  \$4b\$  final state with the ATLAS detector in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1602.06034 [hep-ex]].

[10.1016/j.physletb.2016.04.061.](#)

Phys.Lett. B758 (2016) 249-268.

86) [Search for single production of vector-like quarks decaying into  \$Wb\$  in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1602.05606 [hep-ex]].  
[10.1140/epjc/s10052-016-4281-8](https://arxiv.org/abs/10.1140/epjc/s10052-016-4281-8).  
Eur.Phys.J. C76 (2016) no.8, 442.

87) [Test of CP Invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1602.04516 [hep-ex]].

88) [Charged-particle distributions in  \$\sqrt{s}=13\$  TeV  \$pp\$  interactions measured with the ATLAS detector at the LHC.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1602.01633 [hep-ex]].  
[10.1016/j.physletb.2016.04.050](https://arxiv.org/abs/10.1016/j.physletb.2016.04.050).  
Phys.Lett. B758 (2016) 67-88.

89) [Measurement of the charged-particle multiplicity inside jets from  \$\sqrt{s}=8\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1602.00988 [hep-ex]].  
[10.1140/epjc/s10052-016-4126-5](https://arxiv.org/abs/10.1140/epjc/s10052-016-4126-5).  
Eur.Phys.J. C76 (2016) no.6, 322.

90) [A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in  \$\sqrt{s} = 8\$  TeV proton-proton collisions.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1601.07453 [hep-ex]].  
[10.1007/JHEP06\(2016\)067](https://arxiv.org/abs/10.1007/JHEP06(2016)067).  
JHEP 1606 (2016) 067.

91) [A search for an excited muon decaying to a muon and two jets in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1601.05627 [hep-ex]].  
[10.1088/1367-2630/18/7/073021](https://arxiv.org/abs/10.1088/1367-2630/18/7/073021).  
New J.Phys. 18 (2016) no.7, 073021.

92) [Probing lepton flavour violation via neutrinoless  \$\tau \rightarrow 3\mu\$  decays with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1601.03567 [hep-ex]].  
[10.1140/epjc/s10052-016-4041-9](https://arxiv.org/abs/10.1140/epjc/s10052-016-4041-9).  
Eur.Phys.J. C76 (2016) no.5, 232.

93) [Measurement of the CP-violating phase  \$\phi\_s\$  and the  \$B^0\_s\$  meson decay width difference with  \$B^0\_s \rightarrow J/\psi\phi\$  decays in ATLAS.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1601.03297 [hep-ex]].  
[10.1007/JHEP08\(2016\)147](https://arxiv.org/abs/10.1007/JHEP08(2016)147).  
JHEP 1608 (2016) 147.

94) [Measurement of the charge asymmetry in highly boosted top-quark pair production](#)

[in  \$\sqrt{s} = 8\$  TeV  \$pp\$  collision data collected by the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.06092 [hep-ex]].

[10.1016/j.physletb.2016.02.055.](#)

Phys.Lett. B756 (2016) 52-71.

95) [Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.05955 [hep-ex]].

[10.1140/epjc/s10052-016-4110-0.](#)

Eur.Phys.J. C76 (2016) no.5, 295.

96) [Search for new phenomena with photon+jet events in proton-proton collisions at  \$\sqrt{s} = 13\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.05910 [hep-ex]].

[10.1007/JHEP03\(2016\)041.](#)

JHEP 1603 (2016) 041.

97) [Measurement of the  \$ZZ\$  Production Cross Section in  \$pp\$  Collisions at  \$\sqrt{s} = 13\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.05314 [hep-ex]].

[10.1103/PhysRevLett.116.101801.](#)

Phys.Rev.Lett. 116 (2016) no.10, 101801.

98) [Combination of searches for  \$WW\$ ,  \$WZ\$ , and  \$ZZ\$  resonances in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.05099 [hep-ex]].

[10.1016/j.physletb.2016.02.015.](#)

Phys.Lett. B755 (2016) 285-305.

99) [Search for charged Higgs bosons in the  \$H^{\pm} \rightarrow tb\$  decay channel in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.03704 [hep-ex]].

[10.1007/JHEP03\(2016\)127.](#)

JHEP 1603 (2016) 127.

100) [Measurement of the differential cross-sections of prompt and non-prompt production of  \$J/\psi\$  and  \$\psi\(2S\)\$  in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  and 8 TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.03657 [hep-ex]].

[10.1140/epjc/s10052-016-4050-8.](#)

Eur.Phys.J. C76 (2016) no.5, 283.

101) [Measurement of  \$D^{\*\pm}\$ ,  \$D^{\pm}\$  and  \$D^0\$  meson production cross sections in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.02913 [hep-ex]].

[10.1016/j.nuclphysb.2016.04.032](https://arxiv.org/abs/10.1016/j.nuclphysb.2016.04.032).

Nucl.Phys. B907 (2016) 717-763.

102) [Search for strong gravity in multijet final states produced in pp collisions at  \$\sqrt{s} = 13\$  TeV using the ATLAS detector at the LHC.](https://arxiv.org/abs/10.1007/JHEP03(2016)026)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.02586 [hep-ex]].

[10.1007/JHEP03\(2016\)026](https://arxiv.org/abs/10.1007/JHEP03(2016)026).

JHEP 1603 (2016) 026.

103) [Measurement of the transverse momentum and  \$\phi^\* \{\eta\}\$  distributions of Drell–Yan lepton pairs in proton–proton collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](https://arxiv.org/abs/10.1140/epjc/s10052-016-4070-4)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.02192 [hep-ex]].

[10.1140/epjc/s10052-016-4070-4](https://arxiv.org/abs/10.1140/epjc/s10052-016-4070-4).

Eur.Phys.J. C76 (2016) no.5, 291.

104) [Search for new phenomena in dijet mass and angular distributions from pp collisions at  \$\sqrt{s} = 13\$  TeV with the ATLAS detector.](https://arxiv.org/abs/10.1016/j.physletb.2016.01.032)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.01530 [hep-ex]].

[10.1016/j.physletb.2016.01.032](https://arxiv.org/abs/10.1016/j.physletb.2016.01.032).

Phys.Lett. B754 (2016) 302-322.

105) [Performance of b-Jet Identification in the ATLAS Experiment.](https://arxiv.org/abs/10.1088/1748-0221/11/04/P04008)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.01094 [hep-ex]].

[10.1088/1748-0221/11/04/P04008](https://arxiv.org/abs/10.1088/1748-0221/11/04/P04008).

JINST 11 (2016) no.04, P04008.

106) [Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton-proton collisions at  \$\sqrt{s} = 2.76\$  TeV with ATLAS.](https://arxiv.org/abs/10.1016/j.physletb.2016.02.056)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1512.00197 [hep-ex]].

[10.1016/j.physletb.2016.02.056](https://arxiv.org/abs/10.1016/j.physletb.2016.02.056).

Phys.Lett. B756 (2016) 10-28.

107) [Search for the Standard Model Higgs boson produced in association with a vector boson and decaying into a tau pair in pp collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](https://arxiv.org/abs/10.1103/PhysRevD.93.092005)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1511.08352 [hep-ex]].

[10.1103/PhysRevD.93.092005](https://arxiv.org/abs/10.1103/PhysRevD.93.092005).

Phys.Rev. D93 (2016) no.9, 092005.

108) [Evidence for single top-quark production in the s-channel in proton-proton collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector using the Matrix Element Method.](https://arxiv.org/abs/10.1016/j.physletb.2016.03.017)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1511.05980 [hep-ex]].

[10.1016/j.physletb.2016.03.017](https://arxiv.org/abs/10.1016/j.physletb.2016.03.017).

Phys.Lett. B756 (2016) 228-246.

109) [A search for prompt lepton-jets in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1511.05542 [hep-ex]].

[10.1007/JHEP02\(2016\)062](#).

JHEP 1602 (2016) 062.

110) [Measurements of top-quark pair differential cross-sections in the lepton+jets channel in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1511.04716 [hep-ex]].

[10.1140/epjc/s10052-016-4366-4](#).

Eur.Phys.J. C76 (2016) no.10, 538.

111) [Dijet production in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions with large rapidity gaps at the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1511.00502 [hep-ex]].

[10.1016/j.physletb.2016.01.028](#).

Phys.Lett. B754 (2016) 214-234.

112) [Measurement of the correlations between the polar angles of leptons from top quark decays in the helicity basis at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1510.07478 [hep-ex]].

[10.1103/PhysRevD.93.012002](#).

Phys.Rev. D93 (2016) no.1, 012002.

113) [Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1510.06218 [hep-ex]].

[10.1103/PhysRevD.93.072007](#).

Phys.Rev. D93 (2016) no.7, 072007.

114) [Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at  \$\sqrt{s}=8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1510.05821 [hep-ex]].

[10.1140/epjc/s10052-016-3978-z](#).

Eur.Phys.J. C76 (2016) no.3, 154.

115) [Performance of pile-up mitigation techniques for jets in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1510.03823 [hep-ex]].

[10.1140/epjc/s10052-016-4395-z](#).

Eur.Phys.J. C76 (2016) no.11, 581.

116) [Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in  \$\sqrt{s}=8\$  TeV proton-proton collisions](#)



[using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1510.03818 [hep-ex]].

[10.1103/PhysRevD.93.032009.](#)

Phys.Rev. D93 (2016) no.3, 032009.

117) [Search for anomalous couplings in the  \$Wtb\$  vertex from the measurement of double differential angular decay rates of single top quarks produced in the  \$t\$ -channel with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1510.03764 [hep-ex]].

[10.1007/JHEP04\(2016\)023.](#)

JHEP 1604 (2016) 023.

118) [Measurement of the production cross-section of a single top quark in association with a  \$W\$  boson at 8 TeV with the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1510.03752 [hep-ex]].

[10.1007/JHEP01\(2016\)064.](#)

JHEP 1601 (2016) 064.

119) [Search for the production of single vector-like and excited quarks in the  \$Wt\$  final state in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1510.02664 [hep-ex]].

[10.1007/JHEP02\(2016\)110.](#)

JHEP 1602 (2016) 110.

120) [Search for magnetic monopoles and stable particles with high electric charges in 8 TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.08059 [hep-ex]].

[10.1103/PhysRevD.93.052009.](#)

Phys.Rev. D93 (2016) no.5, 052009.

121) [Measurements of four-lepton production in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.07844 [hep-ex]].

[10.1016/j.physletb.2015.12.048.](#)

Phys.Lett. B753 (2016) 552-572.

122) [Measurement of four-jet differential cross sections in  \$\sqrt{s} = 8\$  TeV proton-proton collisions using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.07335 [hep-ex]].

[10.1007/JHEP12\(2015\)105.](#)

JHEP 1512 (2015) 105.

123) [Search for the electroweak production of supersymmetric particles in  \$\sqrt{s} = 8\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.07152 [hep-ex]].

[10.1103/PhysRevD.93.052002](https://doi.org/10.1103/PhysRevD.93.052002).  
Phys.Rev. D93 (2016) no.5, 052002.

124) [Search for flavour-changing neutral current top quark decays  \$t \rightarrow Hq\$  in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.06047 [hep-ex]].

[10.1007/JHEP12\(2015\)061](https://doi.org/10.1007/JHEP12(2015)061).

JHEP 1512 (2015) 061.

125) [Measurement of the  \$\overline{t}W\$  and  \$\overline{t}Z\$  production cross sections in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.05276 [hep-ex]].

[10.1007/JHEP11\(2015\)172](https://doi.org/10.1007/JHEP11(2015)172).

JHEP 1511 (2015) 172.

126) [Measurement of jet charge in dijet events from  \$\sqrt{s}=8\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.05190 [hep-ex]].

[10.1103/PhysRevD.93.052003](https://doi.org/10.1103/PhysRevD.93.052003).

Phys.Rev. D93 (2016) no.5, 052003.

127) [Search for new phenomena in events with at least three photons collected in  \$ppp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.05051 [hep-ex]].

[10.1140/epjc/s10052-016-4034-8](https://doi.org/10.1140/epjc/s10052-016-4034-8).

Eur.Phys.J. C76 (2016) no.4, 210.

128) [Search for direct top squark pair production in final states with two tau leptons in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.04976 [hep-ex]].

[10.1140/epjc/s10052-016-3897-z](https://doi.org/10.1140/epjc/s10052-016-3897-z).

Eur.Phys.J. C76 (2016) no.2, 81.

129) [A new method to distinguish hadronically decaying boosted  \$Z\$  bosons from  \$W\$  bosons using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.04939 [hep-ex]].

[10.1140/epjc/s10052-016-4065-1](https://doi.org/10.1140/epjc/s10052-016-4065-1).

Eur.Phys.J. C76 (2016) no.5, 238.

130) [Observation of Long-Range Elliptic Azimuthal Anisotropies in  \$\sqrt{s}=13\$  and 2.76 TeV  \$pp\$  Collisions with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.04776 [hep-ex]].

[10.1103/PhysRevLett.116.172301](https://doi.org/10.1103/PhysRevLett.116.172301).

Phys.Rev.Lett. 116 (2016) no.17, 172301.

131) [Searches for Higgs boson pair production in the  \$hh \rightarrow b\bar{b}\tau\tau\$ ,](#)

[\gamma\gamma WW^\\*, \gamma\gamma bb, bbbb\\$ channels with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.04670 [hep-ex]].

[10.1103/PhysRevD.92.092004.](#)

Phys.Rev. D92 (2015) 092004.

132) [Search for pair production of a new heavy quark that decays into a  \$W\$  boson and a light quark in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.04261 [hep-ex]].

[10.1103/PhysRevD.92.112007.](#)

Phys.Rev. D92 (2015) no.11, 112007.

133) [Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in  \$pp\$  collision data at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.02358 [hep-ex]].

[10.1140/epjc/s10052-016-3910-6.](#)

Eur.Phys.J. C76 (2016) no.2, 87.

134) [Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.00672 [hep-ex]].

[10.1007/JHEP11\(2015\)206.](#)

JHEP 1511 (2015) 206.

135) [Search for a high-mass Higgs boson decaying to a  \$W\$  boson pair in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.00389 [hep-ex]].

[10.1007/JHEP01\(2016\)032.](#)

JHEP 1601 (2016) 032.

136) [Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1509.00294 [hep-ex]].

[10.1140/epjc/s10052-016-3876-4.](#)

Eur.Phys.J. C76 (2016) no.2, 55.

137) [Search for invisible decays of a Higgs boson using vector-boson fusion in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1508.07869 [hep-ex]].

[10.1007/JHEP01\(2016\)172.](#)

JHEP 1601 (2016) 172.

138) [Measurements of fiducial cross-sections for  \$t\bar{t}\$  production with one or two additional b-jets in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1508.06868 [hep-ex]].

[10.1140/epjc/s10052-015-3852-4](https://doi.org/10.1140/epjc/s10052-015-3852-4).

Eur.Phys.J. C76 (2016) no.1, 11.

139) [Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 — interpreted in the phenomenological MSSM.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1508.06608 [hep-ex]].

[10.1007/JHEP10\(2015\)134](https://doi.org/10.1007/JHEP10(2015)134).

JHEP 1510 (2015) 134.

140) [Search for flavour-changing neutral current top-quark decays to  \$qZ\$  in  \$pp\$  collision data collected with the ATLAS detector at  \$\sqrt{s} = 8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1508.05796 [hep-ex]].

[10.1140/epjc/s10052-015-3851-5](https://doi.org/10.1140/epjc/s10052-015-3851-5).

Eur.Phys.J. C76 (2016) no.1, 12.

141) [Searches for scalar leptoquarks in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1508.04735 [hep-ex]].

[10.1140/epjc/s10052-015-3823-9](https://doi.org/10.1140/epjc/s10052-015-3823-9).

Eur.Phys.J. C76 (2016) no.1, 5.

142) [Search for lepton-flavour-violating  \$H \rightarrow \mu\tau\$  decays of the Higgs boson with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1508.03372 [hep-ex]].

[10.1007/JHEP11\(2015\)211](https://doi.org/10.1007/JHEP11(2015)211).

JHEP 1511 (2015) 211.

143) [Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the  \$H \rightarrow \gamma\gamma\$  decay channel at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1508.02507 [hep-ex]].

[10.1016/j.physletb.2015.11.071](https://doi.org/10.1016/j.physletb.2015.11.071).

Phys.Lett. B753 (2016) 69-85.

144) [Measurement of transverse energy-energy correlations in multi-jet events in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector and determination of the strong coupling constant  \$\alpha\_s\(m\_Z\)\$ .](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1508.01579 [hep-ex]].

[10.1016/j.physletb.2015.09.050](https://doi.org/10.1016/j.physletb.2015.09.050).

Phys.Lett. B750 (2015) 427-447.

145) [Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton–lead collisions at  \$\sqrt{s\_{NN}} = 5.02\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1508.00848 [hep-ex]].

[10.1140/epjc/s10052-016-4002-3](https://doi.org/10.1140/epjc/s10052-016-4002-3).

Eur.Phys.J. C76 (2016) no.4, 199.

146) [Determination of the ratio of  \$b\$ -quark fragmentation fractions  \$f\_s/f\_d\$  in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1507.08925 [hep-ex]].

[10.1103/PhysRevLett.115.262001](#).

Phys.Rev.Lett. 115 (2015) no.26, 262001.

147) [Measurement of the branching ratio  \$\Gamma\(\Lambda\_b \rightarrow \psi\(2S\) \Lambda\_b^0\) / \Gamma\(\Lambda\_b \rightarrow J/\psi \Lambda\_b^0\)\$  with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1507.08202 [hep-ex]].

[10.1016/j.physletb.2015.10.009](#).

Phys.Lett. B751 (2015) 63-80.

148) [Study of the  \$B\_c^+ \rightarrow J/\psi D\_s^+\$  and  \$B\_c^+ \rightarrow J/\psi D\_s^{\*+}\$  decays with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1507.07099 [hep-ex]].

[10.1140/epjc/s10052-015-3743-8](#).

Eur.Phys.J. C76 (2016) no.1, 4.

149)  [\$Z\$  boson production in  \$p+Pb\$  collisions at  \$\sqrt{s\_{NN}}=5.02\$  TeV measured with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1507.06232 [hep-ex]].

[10.1103/PhysRevC.92.044915](#).

Phys.Rev. C92 (2015) no.4, 044915.

150) [Search for an additional, heavy Higgs boson in the  \$H \rightarrow ZZ\$  decay channel at  \$\sqrt{s} = 8\$  TeV in  \$pp\$  collision data with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1507.05930 [hep-ex]].

[10.1140/epjc/s10052-015-3820-z](#).

Eur.Phys.J. C76 (2016) no.1, 45.

151) [Summary of the searches for squarks and gluinos using  \$\sqrt{s}=8\$  TeV  \$pp\$  collisions with the ATLAS experiment at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1507.05525 [hep-ex]].

[10.1007/JHEP10\(2015\)054](#).

JHEP 1510 (2015) 054.

152) [Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1507.05493 [hep-ex]].

[10.1103/PhysRevD.92.072001](#).

Phys.Rev. D92 (2015) no.7, 072001.

153) [Measurements of the Higgs boson production and decay rates and coupling](#)

[strengths using pp collision data at  \$\sqrt{s}=7\$  and 8 TeV in the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1507.04548 [hep-ex]].

[10.1140/epjc/s10052-015-3769-y.](#)

Eur.Phys.J. C76 (2016) no.1, 6.

154) [Determination of the top-quark pole mass using  \$\overline{t}t + 1\$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1507.01769 [hep-ex]].

[10.1007/JHEP10\(2015\)121.](#)

JHEP 1510 (2015) 121.

155) [Measurement of the production of neighbouring jets in lead–lead collisions at  \$\sqrt{s\_{\text{NN}}}=2.76\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.08656 [hep-ex]].

[10.1016/j.physletb.2015.10.059.](#)

Phys.Lett. B751 (2015) 376-395.

156) [ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.08616 [hep-ex]].

[10.1140/epjc/s10052-015-3726-9](#), [10.1140/epjc/s10052-016-3935-x.](#)

Eur.Phys.J. C75 (2015) no.10, 510, Erratum: Eur.Phys.J. C76 (2016) no.3, 153.

157) [Centrality, rapidity and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at  \$\sqrt{s\_{\text{NN}}}=2.76\$  TeV measured with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.08552 [hep-ex]].

[10.1103/PhysRevC.93.034914.](#)

Phys.Rev. C93 (2016) no.3, 034914.

158) [Measurement of exclusive  \$\gamma\gamma \rightarrow e^+e^-\$  production in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.07098 [hep-ex]].

[10.1016/j.physletb.2015.07.069.](#)

Phys.Lett. B749 (2015) 242-261.

159) [Study of \(W/Z\)H production and Higgs boson couplings using  \$H \rightarrow WW^\*\$  decays with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.06641 [hep-ex]].

[10.1007/JHEP08\(2015\)137.](#)

JHEP 1508 (2015) 137.

160) [Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at  \$\sqrt{s}=8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.06020 [hep-ex]].

[10.1007/JHEP07\(2015\)162](https://doi.org/10.1007/JHEP07(2015)162).

JHEP 1507 (2015) 162.

161) [Search for the associated production of the Higgs boson with a top quark pair in multilepton final states with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.05988 [hep-ex]].

[10.1016/j.physletb.2015.07.079](https://doi.org/10.1016/j.physletb.2015.07.079).

Phys.Lett. B749 (2015) 519-541.

162) [Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.05669 [hep-ex]].

[10.1140/epjc/s10052-015-3685-1](https://doi.org/10.1140/epjc/s10052-015-3685-1), [10.1140/epjc/s10052-016-3934-y](https://doi.org/10.1140/epjc/s10052-016-3934-y).

Eur.Phys.J. C75 (2015) no.10, 476, Erratum: Eur.Phys.J. C76 (2016) no.3, 152.

163) [Measurement of colour flow with the jet pull angle in  \$t\bar{t}\$  events using the ATLAS detector at  \$\sqrt{s}=8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.05629 [hep-ex]].

[10.1016/j.physletb.2015.09.051](https://doi.org/10.1016/j.physletb.2015.09.051).

Phys.Lett. B750 (2015) 475-493.

164) [Modelling  \$Z \rightarrow \tau\tau\$  processes in ATLAS with  \$\tau\$ -embedded  \$Z \rightarrow \mu\mu\$  data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.05623 [hep-ex]].

[10.1088/1748-0221/2015/9/P09018](https://doi.org/10.1088/1748-0221/2015/9/P09018), [10.1088/1748-0221/10/09/P09018](https://doi.org/10.1088/1748-0221/10/09/P09018).

JINST 10 (2015) no.09, P09018.

165) [Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at  \$\sqrt{s} = 8\$  TeV using the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.05332 [hep-ex]].

[10.1140/epjc/s10052-015-3609-0](https://doi.org/10.1140/epjc/s10052-015-3609-0).

Eur.Phys.J. C75 (2015) no.9, 407.

166) [Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.05074 [hep-ex]].

[10.1103/PhysRevD.92.072005](https://doi.org/10.1103/PhysRevD.92.072005).

Phys.Rev. D92 (2015) no.7, 072005.

167) [Search for type-III Seesaw heavy leptons in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.01839 [hep-ex]].

[10.1103/PhysRevD.92.032001](https://doi.org/10.1103/PhysRevD.92.032001).

Phys.Rev. D92 (2015) no.3, 032001.

168) [Search for heavy lepton resonances decaying to a  \$Z\$  boson and a lepton in](#)

[pp collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.01291 [hep-ex]].

[10.1007/JHEP09\(2015\)108.](#)

JHEP 1509 (2015) 108.

169) [Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.01081 [hep-ex]].

[10.1103/PhysRevLett.115.131801.](#)

Phys.Rev.Lett. 115 (2015) no.13, 131801.

170) [Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.00962 [hep-ex]].

[10.1007/JHEP12\(2015\)055.](#)

JHEP 1512 (2015) 055.

171) [Search for Higgs boson pair production in the  \$b\bar{b}b\bar{b}\$  final state from pp collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1506.00285 [hep-ex]].

[10.1140/epjc/s10052-015-3628-x.](#)

Eur.Phys.J. C75 (2015) no.9, 412.

172) [Measurement of differential  \$J/\psi\$  production cross sections and forward-backward ratios in p + Pb collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1505.08141 [hep-ex]].

[10.1103/PhysRevC.92.034904.](#)

Phys.Rev. C92 (2015) no.3, 034904.

173) [Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1505.07645 [hep-ex]].

[10.1103/PhysRevD.92.092001.](#)

Phys.Rev. D92 (2015) no.9, 092001.

174) [A search for  \$\tilde{t}\$  resonances using lepton-plus-jets events in proton-proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1505.07018 [hep-ex]].

[10.1007/JHEP08\(2015\)148.](#)

JHEP 1508 (2015) 148.

175) [Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).



[arXiv:1505.04306 [hep-ex]].  
[10.1007/JHEP08\(2015\)105](https://arxiv.org/abs/1505.04306).  
JHEP 1508 (2015) 105.

176) [Search for Higgs bosons decaying to  \$\mu\mu\$  in the  \$\mu\mu\tau\tau\$  final state in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1505.01609 [hep-ex]].

[10.1103/PhysRevD.92.052002](https://arxiv.org/abs/1505.01609).

Phys.Rev. D92 (2015) no.5, 052002.

177) [Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the  \$H \rightarrow \gamma\gamma\$  and  \$H \rightarrow ZZ^\* \rightarrow 4\ell\$  Decay Channels at  \$\sqrt{s} = 8\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.05833 [hep-ex]].

[10.1103/PhysRevLett.115.091801](https://arxiv.org/abs/1504.05833).

Phys.Rev.Lett. 115 (2015) no.9, 091801.

178) [Search for high-mass diphoton resonances in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.05511 [hep-ex]].

[10.1103/PhysRevD.92.032004](https://arxiv.org/abs/1504.05511).

Phys.Rev. D92 (2015) no.3, 032004.

179) [Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.05162 [hep-ex]].

[10.1103/PhysRevD.92.072004](https://arxiv.org/abs/1504.05162).

Phys.Rev. D92 (2015) no.7, 072004.

180) [Analysis of events with  \$b\$ -jets and a pair of leptons of the same charge in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.04605 [hep-ex]].

[10.1007/JHEP10\(2015\)150](https://arxiv.org/abs/1504.04605).

JHEP 1510 (2015) 150.

181) [Measurement of charged-particle spectra in Pb+Pb collisions at  \$\sqrt{s\_{NN}} = 2.76\$  TeV with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.04337 [hep-ex]].

[10.1007/JHEP09\(2015\)050](https://arxiv.org/abs/1504.04337).

JHEP 1509 (2015) 050.

182) [Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.04324 [hep-ex]].

[10.1140/epjc/s10052-015-3551-1](https://arxiv.org/abs/1504.04324).

Eur.Phys.J. C75 (2015) no.7, 337.

183) [Measurement of the top pair production cross section in 8 TeV proton-proton collisions using kinematic information in the lepton+jets final state with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.04251 [hep-ex]].

[10.1103/PhysRevD.91.112013.](#)

Phys.Rev. D91 (2015) no.11, 112013.

184) [Search for heavy long-lived multi-charged particles in pp collisions at  \$\sqrt{s}=8\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.04188 [hep-ex]].

[10.1140/epjc/s10052-015-3534-2.](#)

Eur.Phys.J. C75 (2015) 362.

185) [Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.03634 [hep-ex]].

[10.1103/PhysRevD.92.012010.](#)

Phys.Rev. D92 (2015) no.1, 012010.

186) [Measurement of the correlation between flow harmonics of different order in lead-lead collisions at  \$\sqrt{s\_{NN}}=2.76\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.01289 [hep-ex]].

[10.1103/PhysRevC.92.034903.](#)

Phys.Rev. C92 (2015) no.3, 034903.

187) [Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at  \$\sqrt{s} = 8\$  TeV Measured with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1504.00357 [hep-ex]].

[10.1103/PhysRevLett.114.221802.](#)

Phys.Rev.Lett. 114 (2015) no.22, 221802.

188) [Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at  \$\sqrt{s} = 8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1503.08988 [hep-ex]].

[10.1007/JHEP07\(2015\)032.](#)

JHEP 1507 (2015) 032.

189) [Search for a new resonance decaying to a W or Z boson and a Higgs boson in the  \$\ell\ell/\ell\nu/\nu\nu + b\bar{b}\$  final states with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1503.08089 [hep-ex]].

[10.1140/epjc/s10052-015-3474-x.](#)

Eur.Phys.J. C75 (2015) no.6, 263.

190) [Combined Measurement of the Higgs Boson Mass in  \$pp\$  Collisions at  \$\sqrt{s}=7\$  and 8 TeV with the ATLAS and CMS Experiments.](#)

By ATLAS and CMS Collaborations (Georges Aad et al.).  
[arXiv:1503.07589 [hep-ex]].  
[10.1103/PhysRevLett.114.191803](https://doi.org/10.1103/PhysRevLett.114.191803).  
Phys.Rev.Lett. 114 (2015) 191803.

191) [Measurement of the top quark mass in the  \$\bar{t} \rightarrow \text{lepton+jets}\$  and  \$\bar{t} \rightarrow \text{dilepton}\$  channels using  \$\sqrt{s}=7\$  TeV ATLAS data.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1503.05427 [hep-ex]].  
[10.1140/epjc/s10052-015-3544-0](https://doi.org/10.1140/epjc/s10052-015-3544-0).  
Eur.Phys.J. C75 (2015) no.7, 330.

192) [Search for vector-like  \$B\$  quarks in events with one isolated lepton, missing transverse momentum and jets at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1503.05425 [hep-ex]].  
[10.1103/PhysRevD.91.112011](https://doi.org/10.1103/PhysRevD.91.112011).  
Phys.Rev. D91 (2015) no.11, 112011.

193) [Search for the Standard Model Higgs boson produced in association with top quarks and decaying into  \$b\bar{b}\$  in pp collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1503.05066 [hep-ex]].  
[10.1140/epjc/s10052-015-3543-1](https://doi.org/10.1140/epjc/s10052-015-3543-1).  
Eur.Phys.J. C75 (2015) no.7, 349.

194) [Search for production of  \$WW/WZ\$  resonances decaying to a lepton, neutrino and jets in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1503.04677 [hep-ex]].  
[10.1140/epjc/s10052-015-3593-4](https://doi.org/10.1140/epjc/s10052-015-3593-4), [10.1140/epjc/s10052-015-3425-6](https://doi.org/10.1140/epjc/s10052-015-3425-6).  
Eur.Phys.J. C75 (2015) no.5, 209, Erratum: Eur.Phys.J. C75 (2015) 370.

195) [Search for a Heavy Neutral Particle Decaying to  \$e\mu\$ ,  \$e\tau\$ , or  \$\mu\tau\$  in  \$pp\$  Collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1503.04430 [hep-ex]].  
[10.1103/PhysRevLett.115.031801](https://doi.org/10.1103/PhysRevLett.115.031801).  
Phys.Rev.Lett. 115 (2015) no.3, 031801.

196) [Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay  \$H^{\pm} \rightarrow W^{\pm} Z\$  using  \$pp\$  Collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS Experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1503.04233 [hep-ex]].  
[10.1103/PhysRevLett.114.231801](https://doi.org/10.1103/PhysRevLett.114.231801).  
Phys.Rev.Lett. 114 (2015) no.23, 231801.

197) [Measurement of the forward-backward asymmetry of electron and muon pair-production in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1503.03709 [hep-ex]].  
[10.1007/JHEP09\(2015\)049](https://arxiv.org/abs/1503.03709).  
JHEP 1509 (2015) 049.

198) [Determination of spin and parity of the Higgs boson in the  \$WW^\* \rightarrow e \nu \mu \nu\$  decay channel with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1503.03643 [hep-ex]].  
[10.1140/epjc/s10052-015-3436-3](https://arxiv.org/abs/1503.03643).  
Eur.Phys.J. C75 (2015) no.5, 231.

199) [Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in  \$\sqrt{s}=8\$  TeV pp collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1503.03290 [hep-ex]].  
[10.1140/epjc/s10052-015-3661-9](https://arxiv.org/abs/1503.03290), [10.1140/epjc/s10052-015-3518-2](https://arxiv.org/abs/1503.03290).  
Eur.Phys.J. C75 (2015) no.7, 318, Erratum: Eur.Phys.J. C75 (2015) no.10, 463.

200) [Evidence of  \$W\gamma\gamma\$  Production in pp Collisions at  \$s=8\$  TeV and Limits on Anomalous Quartic Gauge Couplings with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1503.03243 [hep-ex]].  
[10.1103/PhysRevLett.115.031802](https://arxiv.org/abs/1503.03243).  
Phys.Rev.Lett. 115 (2015) no.3, 031802.

201) [Constraints on the off-shell Higgs boson signal strength in the high-mass  \$ZZ\$  and  \$WW\$  final states with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1503.01060 [hep-ex]].  
[10.1140/epjc/s10052-015-3542-2](https://arxiv.org/abs/1503.01060).  
Eur.Phys.J. C75 (2015) no.7, 335.

202) [Two-particle Bose–Einstein correlations in pp collisions at  \$\sqrt{s}=0.9\$  and 7 TeV measured with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1502.07947 [hep-ex]].  
[10.1140/epjc/s10052-015-3644-x](https://arxiv.org/abs/1502.07947).  
Eur.Phys.J. C75 (2015) no.10, 466.

203) [A search for high-mass resonances decaying to  \$\tau^+\tau^-\$  in pp collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1502.07177 [hep-ex]].  
[10.1007/JHEP07\(2015\)157](https://arxiv.org/abs/1502.07177).  
JHEP 1507 (2015) 157.

204) [Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at  \$\sqrt{s}=7\$  TeV in the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1502.05923 [hep-ex]].  
[10.1007/JHEP06\(2015\)100](https://arxiv.org/abs/1502.05923).

JHEP 1506 (2015) 100.

205) [Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1502.05686 [hep-ex]].

[10.1103/PhysRevD.93.039901](#), [10.1103/PhysRevD.91.112016](#).

Phys.Rev. D91 (2015) no.11, 112016, Erratum: Phys.Rev. D93 (2016) no.3, 039901.

206) [Search for a CP-odd Higgs boson decaying to  \$Zh\$  in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1502.04478 [hep-ex]].

[10.1016/j.physletb.2015.03.054](#).

Phys.Lett. B744 (2015) 163-183.

207) [Search for new phenomena in final states with an energetic jet and large missing transverse momentum in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1502.01518 [hep-ex]].

[10.1140/epjc/s10052-015-3639-7](#), [10.1140/epjc/s10052-015-3517-3](#).

Eur.Phys.J. C75 (2015) no.7, 299, Erratum: Eur.Phys.J. C75 (2015) no.9, 408.

208) [Observation of top-quark pair production in association with a photon and measurement of the  \$\bar{t}\gamma\$  production cross section in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1502.00586 [hep-ex]].

[10.1103/PhysRevD.91.072007](#).

Phys.Rev. D91 (2015) no.7, 072007.

209) [Measurement of the charge asymmetry in dileptonic decays of top quark pairs in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1501.07383 [hep-ex]].

[10.1007/JHEP05\(2015\)061](#).

JHEP 1505 (2015) 061.

210) [Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in  \$\sqrt{s} = 8\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1501.07110 [hep-ex]].

[10.1140/epjc/s10052-015-3408-7](#).

Eur.Phys.J. C75 (2015) no.5, 208.

211) [Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1501.04943 [hep-ex]].

[10.1007/JHEP04\(2015\)117](#).

JHEP 1504 (2015) 117.

212) [Search for pair-produced long-lived neutral particles decaying in the ATLAS](#)

[hadronic calorimeter in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1501.04020 [hep-ex]].

[10.1016/j.physletb.2015.02.015.](#)

Phys.Lett. B743 (2015) 15-34.

213) [Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1501.03555 [hep-ex]].

[10.1007/JHEP04\(2015\)116.](#)

JHEP 1504 (2015) 116.

214) [Search for Higgs and Z Boson Decays to  \$J/\psi\$  and  \$Y\(nS\)\gamma\$  with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1501.03276 [hep-ex]].

[10.1103/PhysRevLett.114.121801.](#)

Phys.Rev.Lett. 114 (2015) no.12, 121801.

215) [Search for Scalar Charm Quark Pair Production in  \$pp\$  Collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1501.01325 [hep-ex]].

[10.1103/PhysRevLett.114.161801.](#)

Phys.Rev.Lett. 114 (2015) no.16, 161801.

216) [Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1412.7086 [hep-ex]].

[10.1140/epjc/s10052-015-3500-z.](#)

Eur.Phys.J. C75 (2015) no.7, 303.

217) [Search for charged Higgs bosons decaying via  \$H^{\pm} \rightarrow \tau^{\pm} \nu\$  in fully hadronic final states using  \$pp\$  collision data at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1412.6663 [hep-ex]].

[10.1007/JHEP03\(2015\)088.](#)

JHEP 1503 (2015) 088.

218) [Observation and measurements of the production of prompt and non-prompt  \$J/\psi\$  mesons in association with a  \$Z\$  boson in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1412.6428 [hep-ex]].

[10.1140/epjc/s10052-015-3406-9.](#)

Eur.Phys.J. C75 (2015) no.5, 229.

219) [Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in  \$pp\$  Collisions at  \$\sqrt{s}=8\$  TeV Using the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1412.4742 [hep-ex]].  
[10.1103/PhysRevLett.114.142001](https://arxiv.org/abs/10.1103/PhysRevLett.114.142001).  
Phys.Rev.Lett. 114 (2015) no.14, 142001.

220) [Centrality and rapidity dependence of inclusive jet production in  \$\sqrt{s} = 5.02\$  TeV proton-lead collisions with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1412.4092 [hep-ex]].  
[10.1016/j.physletb.2015.07.023](https://arxiv.org/abs/10.1016/j.physletb.2015.07.023).  
Phys.Lett. B748 (2015) 392-413.

221) [Observation and measurement of Higgs boson decays to  \$WW^{\*\*}\$  with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1412.2641 [hep-ex]].  
[10.1103/PhysRevD.92.012006](https://arxiv.org/abs/10.1103/PhysRevD.92.012006).  
Phys.Rev. D92 (2015) no.1, 012006.

222) [Measurement of the transverse polarization of  \$\Lambda\$  and  \$\bar{\Lambda}\$  hyperons produced in proton-proton collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1412.1692 [hep-ex]].  
[10.1103/PhysRevD.91.032004](https://arxiv.org/abs/10.1103/PhysRevD.91.032004).  
Phys.Rev. D91 (2015) no.3, 032004.

223) [Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with  \$\sqrt{s}=8\$  TeV  \$pp\$  collisions using the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1412.0237 [hep-ex]].  
[10.1007/JHEP03\(2015\)041](https://arxiv.org/abs/10.1007/JHEP03(2015)041).  
JHEP 1503 (2015) 041.

224) [Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at  \$\sqrt{s}=8\$  TeV.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1411.6795 [hep-ex]].  
[10.1007/JHEP01\(2015\)068](https://arxiv.org/abs/10.1007/JHEP01(2015)068).  
JHEP 1501 (2015) 068.

225) [Search for new phenomena in events with three or more charged leptons in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1411.2921 [hep-ex]].  
[10.1007/JHEP08\(2015\)138](https://arxiv.org/abs/10.1007/JHEP08(2015)138).  
JHEP 1508 (2015) 138.

226) [Measurements of the Nuclear Modification Factor for Jets in Pb+Pb Collisions at  \$\sqrt{s} = 2.76\$  TeV with the ATLAS Detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1411.2357 [hep-ex]].

[10.1103/PhysRevLett.114.072302](#).  
Phys.Rev.Lett. 114 (2015) no.7, 072302.

227) [Measurement of three-jet production cross-sections in  \$pp\$  collisions at 7 TeV centre-of-mass energy using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1411.1855 [hep-ex]].

[10.1140/epjc/s10052-015-3363-3](#).

Eur.Phys.J. C75 (2015) no.5, 228.

228) [Search for new phenomena in events with a photon and missing transverse momentum in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1411.1559 [hep-ex]].

[10.1103/PhysRevD.91.012008](#), [10.1103/PhysRevD.92.059903](#).

Phys.Rev. D91 (2015) no.1, 012008, Erratum: Phys.Rev. D92 (2015) no.5, 059903.

229) [Measurement of the inclusive jet cross-section in proton-proton collisions at  \$\sqrt{s}=7\$  TeV using 4.5 fb \$^{-1}\$  of data with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1410.8857 [hep-ex]].

[10.1007/JHEP09\(2015\)141](#), [10.1007/JHEP02\(2015\)153](#).

JHEP 1502 (2015) 153, Erratum: JHEP 1509 (2015) 141.

230) [Measurement of the  \$WW+WZ\$  cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1410.7238 [hep-ex]].

[10.1007/JHEP01\(2015\)049](#).

JHEP 1501 (2015) 049.

231) [Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1410.5404 [hep-ex]].

[10.1140/epjc/s10052-014-3233-4](#).

Eur.Phys.J. C75 (2015) no.2, 79.

232) [Search for the  \$X\_b\$  and other hidden-beauty states in the  \$\pi^+ \pi^- \Upsilon\(1S\)\$  channel at ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1410.4409 [hep-ex]].

[10.1016/j.physletb.2014.11.055](#).

Phys.Lett. B740 (2015) 199-217.

233) [Search for  \$W' \rightarrow t \bar{b}\$  in the lepton plus jets final state in proton-proton collisions at a centre-of-mass energy of  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1410.4103 [hep-ex]].

[10.1016/j.physletb.2015.02.051](#).

Phys.Lett. B743 (2015) 235-255.



234) [Search for dark matter in events with heavy quarks and missing transverse momentum in  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1410.4031 [hep-ex]].

[10.1140/epjc/s10052-015-3306-z.](#)

Eur.Phys.J. C75 (2015) no.2, 92.

235) [Search for  \$s\$ -channel single top-quark production in proton–proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1410.0647 [hep-ex]].

[10.1016/j.physletb.2014.11.042.](#)

Phys.Lett. B740 (2015) 118-136.

236) [Measurements of the  \$W\$  production cross sections in association with jets with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1409.8639 [hep-ex]].

[10.1140/epjc/s10052-015-3262-7.](#)

Eur.Phys.J. C75 (2015) no.2, 82.

237) [Search for the  \$b\bar{b}\$  decay of the Standard Model Higgs boson in associated  \$\(W/Z\)H\$  production with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1409.6212 [hep-ex]].

[10.1007/JHEP01\(2015\)069.](#)

JHEP 1501 (2015) 069.

238) [Search for resonant diboson production in the  \$\ell\ell q\bar{q}\$  final state in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1409.6190 [hep-ex]].

[10.1140/epjc/s10052-015-3261-8.](#)

Eur.Phys.J. C75 (2015) 69.

239) [Search for neutral Higgs bosons of the minimal supersymmetric standard model in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1409.6064 [hep-ex]].

[10.1007/JHEP11\(2014\)056.](#)

JHEP 1411 (2014) 056.

240) [Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in 8 TeV  \$pp\$  collisions at the LHC using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1409.5542 [hep-ex]].

[10.1103/PhysRevD.90.112005.](#)

Phys.Rev. D90 (2014) no.11, 112005.

241) [Search for pair and single production of new heavy quarks that decay to a  \$Z\$  boson and a third-generation quark in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1409.5500 [hep-ex]].  
[10.1007/JHEP11\(2014\)104](https://doi.org/10.1007/JHEP11(2014)104).  
JHEP 1411 (2014) 104.

242) [Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1409.3433 [hep-ex]].  
[10.1140/epjc/s10052-014-3195-6](https://doi.org/10.1140/epjc/s10052-014-3195-6).  
Eur.Phys.J. C74 (2014) no.12, 3195.

243) [Search for  \$H \rightarrow \gamma\gamma\$  produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1409.3122 [hep-ex]].  
[10.1016/j.physletb.2014.11.049](https://doi.org/10.1016/j.physletb.2014.11.049).  
Phys.Lett. B740 (2015) 222-242.

244) [Measurement of long-range pseudorapidity correlations and azimuthal harmonics in  \$\sqrt{s} = 5.02\$  TeV proton-lead collisions with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1409.1792 [hep-ex]].  
[10.1103/PhysRevC.90.044906](https://doi.org/10.1103/PhysRevC.90.044906).  
Phys.Rev. C90 (2014) no.4, 044906.

245) [Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at  \$\sqrt{s}=7\$  TeV.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1409.0832 [hep-ex]].  
[10.1140/epjc/s10052-015-3373-1](https://doi.org/10.1140/epjc/s10052-015-3373-1).  
Eur.Phys.J. C75 (2015) no.4, 158.

246) [Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1409.0746 [hep-ex]].  
[10.1007/JHEP11\(2014\)088](https://doi.org/10.1007/JHEP11(2014)088).  
JHEP 1411 (2014) 088.

247) [Measurement of Higgs boson production in the diphoton decay channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1408.7084 [hep-ex]].  
[10.1103/PhysRevD.90.112015](https://doi.org/10.1103/PhysRevD.90.112015).  
Phys.Rev. D90 (2014) no.11, 112015.

248) [A measurement of the ratio of the production cross sections for  \$W\$  and  \$Z\$  bosons in association with jets with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1408.6510 [hep-ex]].  
[10.1140/epjc/s10052-014-3168-9](https://doi.org/10.1140/epjc/s10052-014-3168-9).

Eur.Phys.J. C74 (2014) no.12, 3168.

249) [Measurement of the total cross section from elastic scattering in pp collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1408.5778 [hep-ex]].

[10.1016/j.nuclphysb.2014.10.019.](#)

Nucl.Phys. B889 (2014) 486-548.

250) [Search for the lepton flavor violating decay  \$Z \rightarrow e\mu\$  in pp collisions at  \$\sqrt{s}\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1408.5774 [hep-ex]].

[10.1103/PhysRevD.90.072010.](#)

Phys.Rev. D90 (2014) no.7, 072010.

251) [Measurements of Higgs boson production and couplings in the four-lepton channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1408.5191 [hep-ex]].

[10.1103/PhysRevD.91.012006.](#)

Phys.Rev. D91 (2015) no.1, 012006.

252) [Measurement of the production and lepton charge asymmetry of  \$W\$  bosons in Pb+Pb collisions at  \$\sqrt{s\_{NN}}=2.76\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1408.4674 [hep-ex]].

[10.1140/epjc/s10052-014-3231-6.](#)

Eur.Phys.J. C75 (2015) no.1, 23.

253) [Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at  \$\sqrt{s\_{NN}}=2.76\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1408.4342 [hep-ex]].

[10.1140/epjc/s10052-014-3157-z.](#)

Eur.Phys.J. C74 (2014) no.11, 3157.

254) [Fiducial and differential cross sections of Higgs boson production measured in the four-lepton decay channel in pp collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1408.3226 [hep-ex]].

[10.1016/j.physletb.2014.09.054.](#)

Phys.Lett. B738 (2014) 234-253.

255) [Performance of the ATLAS muon trigger in pp collisions at  \$\sqrt{s}=8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1408.3179 [hep-ex]].

[10.1140/epjc/s10052-015-3325-9.](#)

Eur.Phys.J. C75 (2015) 120.

- 256) [Search for  \$W' \rightarrow tb \rightarrow qqbb\$  decays in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1408.0886 [hep-ex]].  
[10.1140/epjc/s10052-015-3372-2](https://doi.org/10.1140/epjc/s10052-015-3372-2).  
Eur.Phys.J. C75 (2015) no.4, 165.
- 257) [Search for new resonances in  \$W\gamma\$  and  \$Z\gamma\$  final states in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1407.8150 [hep-ex]].  
[10.1016/j.physletb.2014.10.002](https://doi.org/10.1016/j.physletb.2014.10.002).  
Phys.Lett. B738 (2014) 428-447.
- 258) [Search for new particles in events with one lepton and missing transverse momentum in  \$pp\$  collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1407.7494 [hep-ex]].  
[10.1007/JHEP09\(2014\)037](https://doi.org/10.1007/JHEP09(2014)037).  
JHEP 1409 (2014) 037.
- 259) [Search for Scalar Diphoton Resonances in the Mass Range  \$65-600\$  GeV with the ATLAS Detector in  \$pp\$  Collision Data at  \$\sqrt{s} = 8\$  TeV.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1407.6583 [hep-ex]].  
[10.1103/PhysRevLett.113.171801](https://doi.org/10.1103/PhysRevLett.113.171801).  
Phys.Rev.Lett. 113 (2014) no.17, 171801.
- 260) [Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1407.5756 [hep-ex]].  
[10.1140/epjc/s10052-014-3117-7](https://doi.org/10.1140/epjc/s10052-014-3117-7).  
Eur.Phys.J. C74 (2014) no.11, 3117.
- 261) [Measurement of the production cross-section of  \$\psi\(2S\) \rightarrow J/\psi \(\rightarrow \mu^+\mu^-\) \pi^+\pi^-\$  in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV at ATLAS.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1407.5532 [hep-ex]].  
[10.1007/JHEP09\(2014\)079](https://doi.org/10.1007/JHEP09(2014)079).  
JHEP 1409 (2014) 079.
- 262) [Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1407.5063 [hep-ex]].  
[10.1140/epjc/s10052-014-3071-4](https://doi.org/10.1140/epjc/s10052-014-3071-4).  
Eur.Phys.J. C74 (2014) no.10, 3071.
- 263) [Measurements of spin correlation in top-antitop quark events from proton-proton collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1407.4314 [hep-ex]].

[10.1103/PhysRevD.90.112016](#).

Phys.Rev. D90 (2014) no.11, 112016.

264) [Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at  \$\sqrt{s}=8\$  TeV with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.4222 [hep-ex]].

[10.1007/JHEP09\(2014\)112](#).

JHEP 1409 (2014) 112.

265) [Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton–proton collision data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.3935 [hep-ex]].

[10.1140/epjc/s10052-014-3130-x](#).

Eur.Phys.J. C74 (2014) no.11, 3130.

266) [Measurement of differential production cross-sections for a  \$Z\$  boson in association with  \$b\$ -jets in 7 TeV proton-proton collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.3643 [hep-ex]].

[10.1007/JHEP10\(2014\)141](#).

JHEP 1410 (2014) 141.

267) [Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.2410 [hep-ex]].

[10.1140/epjc/s10052-014-3134-6](#).

Eur.Phys.J. C74 (2014) no.12, 3134.

268) [Flavor tagged time-dependent angular analysis of the  \$B\_s \rightarrow J/\psi \phi\$  decay and extraction of  \$\Delta\Gamma\$  and the weak phase  \$\phi\_s\$  in ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.1796 [hep-ex]].

[10.1103/PhysRevD.90.052007](#).

Phys.Rev. D90 (2014) no.5, 052007.

269) [Search for new phenomena in the dijet mass distribution using  \$p\$ - \$p\$  collision data at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.1376 [hep-ex]].

[10.1103/PhysRevD.91.052007](#).

Phys.Rev. D91 (2015) no.5, 052007.

270) [Observation of an Excited  \$B\_c^{\pm}\$  Meson State with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.1032 [hep-ex]].

[10.1103/PhysRevLett.113.212004](#).

Phys.Rev.Lett. 113 (2014) no.21, 212004.

271) [Measurement of the  \$\overline{t}t\$  production cross-section as a function of jet](#)

[multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.0891 [hep-ex]].

[10.1007/JHEP01\(2015\)020.](#)

JHEP 1501 (2015) 020.

272) [Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.0800 [hep-ex]].

[10.1088/1367-2630/16/11/113013.](#)

New J.Phys. 16 (2014) no.11, 113013.

273) [Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in  \$pp\$  collisions at  \$\sqrt{s}=8\sim 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.0608 [hep-ex]].

[10.1103/PhysRevD.90.052008.](#)

Phys.Rev. D90 (2014) no.5, 052008.

274) [Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb<sup>-1</sup> of  \$\sqrt{s}=8\$  TeV proton-proton collision data with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.0603 [hep-ex]].

[10.1007/JHEP09\(2014\)103.](#)

JHEP 1409 (2014) 103.

275) [Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three  \$b\$ -jets at  \$\sqrt{s}=8\$  TeV proton-proton collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.0600 [hep-ex]].

[10.1007/JHEP10\(2014\)024.](#)

JHEP 1410 (2014) 024.

276) [Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in  \$\sqrt{s}=8\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.0583 [hep-ex]].

[10.1007/JHEP11\(2014\)118.](#)

JHEP 1411 (2014) 118.

277) [Simultaneous measurements of the  \$t\bar{t}\$ ,  \$W^+W^-\$ , and  \$Z\gamma^{\*} \rightarrow \tau\tau\$  production cross-sections in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.0573 [hep-ex]].

[10.1103/PhysRevD.91.052005.](#)

Phys.Rev. D91 (2015) no.5, 052005.

278) [Measurements of normalized differential cross sections for  \$t\bar{t}\$  production in pp collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.0371 [hep-ex]].

[10.1103/PhysRevD.90.072004.](#)

Phys.Rev. D90 (2014) no.7, 072004.

279) [Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1407.0350 [hep-ex]].

[10.1007/JHEP10\(2014\)096.](#)

JHEP 1410 (2014) 096.

280) [Comprehensive measurements of  \$t\$ -channel single top-quark production cross sections at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.7844 [hep-ex]].

[10.1103/PhysRevD.90.112006.](#)

Phys.Rev. D90 (2014) no.11, 112006.

281) [A neural network clustering algorithm for the ATLAS silicon pixel detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.7690 [hep-ex]].

[10.1088/1748-0221/9/09/P09009.](#)

JINST 9 (2014) P09009.

282) [Search for the Standard Model Higgs boson decay to  \$\mu^+\mu^-\$  with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.7663 [hep-ex]].

[10.1016/j.physletb.2014.09.008.](#)

Phys.Lett. B738 (2014) 68-86.

283) [Measurement of the  \$t\bar{t}\$  production cross-section using  \$e\mu\$  events with  \$b\$ -tagged jets in  \$pp\$  collisions at  \$\sqrt{s}=7\$  and 8 TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.5375 [hep-ex]].

[10.1140/epjc/s10052-014-3109-7.](#)

Eur.Phys.J. C74 (2014) no.10, 3109.

284) [Search For Higgs Boson Pair Production in the  \$\gamma\gamma b\bar{b}\$  Final State using  \$pp\$  Collision Data at  \$\sqrt{s}=8\$  TeV from the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.5053 [hep-ex]].

[10.1103/PhysRevLett.114.081802.](#)

Phys.Rev.Lett. 114 (2015) no.8, 081802.

285) [Search for  \$WZ\$  resonances in the fully leptonic channel using  \$pp\$  collisions at](#)

[\$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.4456 [hep-ex]].

[10.1016/j.physletb.2014.08.039.](#)

Phys.Lett. B737 (2014) 223-243.

286) [Measurement of the Higgs boson mass from the  \$H \rightarrow \gamma\gamma\$  and  \$H \rightarrow ZZ^{\(\*\)} \rightarrow 4\ell\$  channels with the ATLAS detector using 25  \$\text{fb}^{-1}\$  of  \$\text{pp}\$  collision data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.3827 [hep-ex]].

[10.1103/PhysRevD.90.052004.](#)

Phys.Rev. D90 (2014) no.5, 052004.

287) [Measurement of the  \$Z/\gamma^{\*}\$  boson transverse momentum distribution in  \$\text{pp}\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.3660 [hep-ex]].

[10.1007/JHEP09\(2014\)145.](#)

JHEP 1409 (2014) 145.

288) [Measurement of inclusive jet charged-particle fragmentation functions in Pb+Pb collisions at  \$\sqrt{s\_{NN}} = 2.76\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.2979 [hep-ex]].

[10.1016/j.physletb.2014.10.065.](#)

Phys.Lett. B739 (2014) 320-342.

289) [Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at  \$\sqrt{s} = 8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.1122 [hep-ex]].

[10.1007/JHEP09\(2014\)015.](#)

JHEP 1409 (2014) 015.

290) [Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.0392 [hep-ex]].

[10.1140/epjc/s10052-014-2965-5.](#)

Eur.Phys.J. C74 (2014) no.8, 2965.

291) [Jet energy measurement and its systematic uncertainty in proton-proton collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1406.0076 [hep-ex]].

[10.1140/epjc/s10052-014-3190-y.](#)

Eur.Phys.J. C75 (2015) 17.

292) [Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using  \$\sqrt{s} = 8\$  TeV proton-proton collision data.](#)

By ATLAS Collaboration (Georges Aad et al.).



[arXiv:1405.7875 [hep-ex]].  
[10.1007/JHEP09\(2014\)176](https://arxiv.org/abs/10.1007/JHEP09(2014)176).  
JHEP 1409 (2014) 176.

293) [Light-quark and gluon jet discrimination in  \$pp\$  collisions at  \$\sqrt{s}=7\text{ TeV}\$  with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1405.6583 [hep-ex]].  
[10.1140/epjc/s10052-014-3023-z](https://arxiv.org/abs/10.1140/epjc/s10052-014-3023-z).  
Eur.Phys.J. C74 (2014) no.8, 3023.

294) [Evidence for Electroweak Production of  \$W^{\pm}W^{\pm}jj\$  in  \$pp\$  Collisions at  \$\sqrt{s}=8\text{ TeV}\$  with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1405.6241 [hep-ex]].  
[10.1103/PhysRevLett.113.141803](https://arxiv.org/abs/10.1103/PhysRevLett.113.141803).  
Phys.Rev.Lett. 113 (2014) no.14, 141803.

295) [Search for supersymmetry in events with four or more leptons in  \$\sqrt{s}=8\text{ TeV}\$   \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1405.5086 [hep-ex]].  
[10.1103/PhysRevD.90.052001](https://arxiv.org/abs/10.1103/PhysRevD.90.052001).  
Phys.Rev. D90 (2014) no.5, 052001.

296) [Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at  \$\sqrt{s}=8\text{ TeV}\$ .](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1405.4254 [hep-ex]].  
[10.1007/JHEP08\(2014\)103](https://arxiv.org/abs/10.1007/JHEP08(2014)103).  
JHEP 1408 (2014) 103.

297) [Search for high-mass dilepton resonances in  \$pp\$  collisions at  \$\sqrt{s}=8\text{ TeV}\$  with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1405.4123 [hep-ex]].  
[10.1103/PhysRevD.90.052005](https://arxiv.org/abs/10.1103/PhysRevD.90.052005).  
Phys.Rev. D90 (2014) no.5, 052005.

298) [Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at  \$\sqrt{s\_{NN}}=2.76\text{ TeV}\$  with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1405.3936 [hep-ex]].  
[10.1140/epjc/s10052-014-2982-4](https://arxiv.org/abs/10.1140/epjc/s10052-014-2982-4).  
Eur.Phys.J. C74 (2014) no.8, 2982.

299) [Monitoring and data quality assessment of the ATLAS liquid argon calorimeter.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1405.3768 [hep-ex]].  
[10.1088/1748-0221/9/07/P07024](https://arxiv.org/abs/10.1088/1748-0221/9/07/P07024).  
JINST 9 (2014) P07024.

300) [Operation and performance of the ATLAS semiconductor tracker.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1404.7473 [hep-ex]].

[10.1088/1748-0221/9/08/P08009](https://doi.org/10.1088/1748-0221/9/08/P08009).

JINST 9 (2014) P08009.

301) [Measurement of the cross section of high transverse momentum  \$Z \rightarrow b\bar{b}\$  production in proton-proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1404.7042 [hep-ex]].

[10.1016/j.physletb.2014.09.020](https://doi.org/10.1016/j.physletb.2014.09.020).

Phys.Lett. B738 (2014) 25-43.

302) [Measurement of  \$\chi\_{c1}\$  and  \$\chi\_{c2}\$  production with  \$\sqrt{s} = 7\$  TeV  \$pp\$  collisions at ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1404.7035 [hep-ex]].

[10.1007/JHEP07\(2014\)154](https://doi.org/10.1007/JHEP07(2014)154).

JHEP 1407 (2014) 154.

303) [Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at  \$\sqrt{s} = 7\$  TeV in 2010.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1404.4562 [hep-ex]].

[10.1140/epjc/s10052-014-3034-9](https://doi.org/10.1140/epjc/s10052-014-3034-9).

Eur.Phys.J. C74 (2014) no.9, 3034.

304) [Search for supersymmetry at  \$\sqrt{s}=8\$  TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1404.2500 [hep-ex]].

[10.1007/JHEP06\(2014\)035](https://doi.org/10.1007/JHEP06(2014)035).

JHEP 1406 (2014) 035.

305) [Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1404.2240 [hep-ex]].

[10.1140/epjc/s10052-014-2941-0](https://doi.org/10.1140/epjc/s10052-014-2941-0).

Eur.Phys.J. C74 (2014) no.7, 2941.

306) [Measurement of the low-mass Drell-Yan differential cross section at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1404.1212 [hep-ex]].

[10.1007/JHEP06\(2014\)112](https://doi.org/10.1007/JHEP06(2014)112).

JHEP 1406 (2014) 112.

307) [Measurement of the parity-violating asymmetry parameter  \$\alpha\_b\$  and the helicity amplitudes for the decay  \$\Lambda\_b^0 \rightarrow J/\psi + \Lambda\_b^0\$  with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1404.1071 [hep-ex]].  
[10.1103/PhysRevD.89.092009](https://arxiv.org/abs/1404.1071).  
Phys.Rev. D89 (2014) no.9, 092009.

308) [Search for dark matter in events with a Z boson and missing transverse momentum in pp collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1404.0051 [hep-ex]].  
[10.1103/PhysRevD.90.012004](https://arxiv.org/abs/1404.0051).  
Phys.Rev. D90 (2014) no.1, 012004.

309) [Search for top quark decays  \$t \rightarrow qH\$  with  \$H \rightarrow \gamma\gamma\$  using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1403.6293 [hep-ex]].  
[10.1007/JHEP06\(2014\)008](https://arxiv.org/abs/1403.6293).  
JHEP 1406 (2014) 008.

310) [Measurements of Four-Lepton Production at the Z Resonance in pp Collisions at  \$\sqrt{s}=7\$  and 8 TeV with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1403.5657 [hep-ex]].  
[10.1103/PhysRevLett.112.231806](https://arxiv.org/abs/1403.5657).  
Phys.Rev.Lett. 112 (2014) no.23, 231806.

311) [Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1403.5294 [hep-ex]].  
[10.1007/JHEP05\(2014\)071](https://arxiv.org/abs/1403.5294).  
JHEP 1405 (2014) 071.

312) [Search for direct top squark pair production in events with a Z boson, b-jets and missing transverse momentum in  \$\sqrt{s}=8\$  TeV pp collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1403.5222 [hep-ex]].  
[10.1140/epjc/s10052-014-2883-6](https://arxiv.org/abs/1403.5222).  
Eur.Phys.J. C74 (2014) no.6, 2883.

313) [Search for direct top-squark pair production in final states with two leptons in pp collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1403.4853 [hep-ex]].  
[10.1007/JHEP06\(2014\)124](https://arxiv.org/abs/1403.4853).  
JHEP 1406 (2014) 124.

314) [Measurement of event-plane correlations in  \$\sqrt{s\_{NN}}=2.76\$  TeV lead-lead collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1403.0489 [hep-ex]].  
[10.1103/PhysRevC.90.024905](https://arxiv.org/abs/1403.0489).  
Phys.Rev. C90 (2014) no.2, 024905.

315) [Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in  \$\sqrt{s} = 8\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1402.7029 [hep-ex]].

[10.1007/JHEP04\(2014\)169.](#)

JHEP 1404 (2014) 169.

316) [Measurement of the production of a  \$W\$  boson in association with a charm quark in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1402.6263 [hep-ex]].

[10.1007/JHEP05\(2014\)068.](#)

JHEP 1405 (2014) 068.

317) [The differential production cross section of the  \$\phi\(1020\)\$  meson in  \$\sqrt{s} = 7\$  TeV  \$pp\$  collisions measured with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1402.6162 [hep-ex]].

[10.1140/epjc/s10052-014-2895-2.](#)

Eur.Phys.J. C74 (2014) no.7, 2895.

318) [Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1402.3244 [hep-ex]].

[10.1103/PhysRevLett.112.201802.](#)

Phys.Rev.Lett. 112 (2014) 201802.

319) [Search for Higgs boson decays to a photon and a Z boson in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  and 8 TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1402.3051 [hep-ex]].

[10.1016/j.physletb.2014.03.015.](#)

Phys.Lett. B732 (2014) 8-27.

320) [Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at  \$\sqrt{s} = 8\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1401.7610 [hep-ex]].

[10.1007/JHEP04\(2014\)031.](#)

JHEP 1404 (2014) 031.

321) [Measurement of the production cross section of prompt  \$J/\psi\$  mesons in association with a  \$W^{\pm}\$  boson in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1401.2831 [hep-ex]].

[10.1007/JHEP04\(2014\)172.](#)

JHEP 1404 (2014) 172.

322) [Measurement of dijet cross sections in  \$pp\$  collisions at 7 TeV centre-of-mass energy using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1312.3524 [hep-ex]].

[10.1007/JHEP05\(2014\)059.](#)

JHEP 1405 (2014) 059.

323) [Search for a multi-Higgs-boson cascade in  \$W^+W^-b\bar{b}\$  events with the ATLAS detector in pp collisions at  \$\sqrt{s} = 8\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1312.1956 [hep-ex]].

[10.1103/PhysRevD.89.032002.](#)

Phys.Rev. D89 (2014) no.3, 032002.

324) [Standalone vertex finding in the ATLAS muon spectrometer.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1311.7070 [physics.ins-det]].

[10.1088/1748-0221/9/02/P02001.](#)

JINST 9 (2014) P02001.

325) [Measurement of the top quark pair production charge asymmetry in proton-proton collisions at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1311.6724 [hep-ex]].

[10.1007/JHEP02\(2014\)107.](#)

JHEP 1402 (2014) 107.

326) [Search for Quantum Black Hole Production in High-Invariant-Mass Lepton+Jet Final States Using  \$pp\$  Collisions at  \$\sqrt{s} = 8\$  TeV and the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1311.2006 [hep-ex]].

[10.1103/PhysRevLett.112.091804.](#)

Phys.Rev.Lett. 112 (2014) no.9, 091804.

327) [Measurement of the inclusive isolated prompt photons cross section in pp collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector using  \$4.6 \text{ fb}^{-1}\$ .](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1311.1440 [hep-ex]].

[10.1103/PhysRevD.89.052004.](#)

Phys.Rev. D89 (2014) no.5, 052004.

328) [Search for long-lived stopped R-hadrons decaying out-of-time with pp collisions using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1310.6584 [hep-ex]].

[10.1103/PhysRevD.88.112003.](#)

Phys.Rev. D88 (2013) no.11, 112003.

329) [Measurement of the mass difference between top and anti-top quarks in pp collisions at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1310.6527 [hep-ex]].

[10.1016/j.physletb.2013.12.010.](#)

Phys.Lett. B728 (2014) 363-379.

330) [Search for charginos nearly mass degenerate with the lightest neutralino based on a disappearing-track signature in pp collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1310.3675 [hep-ex]].

[10.1103/PhysRevD.88.112006](#).

Phys.Rev. D88 (2013) no.11, 112006.

331) [Search for dark matter in events with a hadronically decaying W or Z boson and missing transverse momentum in  \$pp\$  collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1309.4017 [hep-ex]].

[10.1103/PhysRevLett.112.041802](#).

Phys.Rev.Lett. 112 (2014) no.4, 041802.

332) [Search for new phenomena in photon+jet events collected in proton-proton collisions at  \$\sqrt{s}=8\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1309.3230 [hep-ex]].

[10.1016/j.physletb.2013.12.029](#).

Phys.Lett. B728 (2014) 562-578.

333) [Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1308.4075 [hep-ex]].

[10.1103/PhysRevD.88.072001](#).

Phys.Rev. D88 (2013) no.7, 072001.

334) [Search for direct third-generation squark pair production in final states with missing transverse momentum and two  \$b\$ -jets in  \$\sqrt{s}=8\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1308.2631 [hep-ex]].

[10.1007/JHEP10\(2013\)189](#).

JHEP 1310 (2013) 189.

335) [Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at  \$\sqrt{s}=8\$  TeV proton-proton collisions using the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1308.1841 [hep-ex]].

[10.1007/JHEP01\(2014\)109](#), [10.1007/JHEP10\(2013\)130](#).

JHEP 1310 (2013) 130, Erratum: JHEP 1401 (2014) 109.

336) [Search for excited electrons and muons in  \$\sqrt{s}=8\$  TeV proton-proton collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1308.1364 [hep-ex]].

[10.1088/1367-2630/15/9/093011](#).

New J.Phys. 15 (2013) 093011.

337) [Dynamics of isolated-photon plus jet production in pp collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1307.6795 [hep-ex]].

[10.1016/j.nuclphysb.2013.07.025.](#)

Nucl.Phys. B875 (2013) 483-535.

338) [Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at  \$\sqrt{s} = 7\$  TeV Using the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1307.6511 [hep-ex]].

[10.1103/PhysRevLett.111.232002.](#)

Phys.Rev.Lett. 111 (2013) no.23, 232002.

339) [Measurement of jet shapes in top-quark pair events at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1307.5749 [hep-ex]].

[10.1140/epjc/s10052-013-2676-3.](#)

Eur.Phys.J. C73 (2013) no.12, 2676.

340) [Measurement of the top quark charge in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1307.4568 [hep-ex]].

[10.1007/JHEP11\(2013\)031.](#)

JHEP 1311 (2013) 031.

341) [Evidence for the spin-0 nature of the Higgs boson using ATLAS data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1307.1432 [hep-ex]].

[10.1016/j.physletb.2013.08.026.](#)

Phys.Lett. B726 (2013) 120-144.

342) [Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1307.1427 [hep-ex]].

[10.1016/j.physletb.2013.08.010](#), [10.1016/j.physletb.2014.05.011](#).

Phys.Lett. B726 (2013) 88-119, Erratum: Phys.Lett. B734 (2014) 406-406.

343) [Measurement of the differential cross-section of  \$B^+\$  meson production in pp collisions at  \$\sqrt{s} = 7\$  TeV at ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1307.0126 [hep-ex]].

[10.1007/JHEP10\(2013\)042.](#)

JHEP 1310 (2013) 042.

344) [Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at  \$\sqrt{s\_{NN}} = 2.76\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1306.6469 [hep-ex]].  
[10.1103/PhysRevLett.111.152301](https://doi.org/10.1103/PhysRevLett.111.152301).  
Phys.Rev.Lett. 111 (2013) no.15, 152301.

345) [Performance of jet substructure techniques for large- \$R\$  jets in proton-proton collisions at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1306.4945 [hep-ex]].  
[10.1007/JHEP09\(2013\)076](https://doi.org/10.1007/JHEP09(2013)076).  
JHEP 1309 (2013) 076.

346) [Measurement of the high-mass Drell-Yan differential cross-section in pp collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1305.4192 [hep-ex]].  
[10.1016/j.physletb.2013.07.049](https://doi.org/10.1016/j.physletb.2013.07.049).  
Phys.Lett. B725 (2013) 223-242.

347) [Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at  \$\sqrt{s} = 2.76\$  TeV with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1305.2942 [hep-ex]].  
[10.1007/JHEP11\(2013\)183](https://doi.org/10.1007/JHEP11(2013)183).  
JHEP 1311 (2013) 183.

348) [Search for  \$t\bar{t}\$  resonances in the lepton plus jets final state with ATLAS using  \$4.7 \text{ fb}^{-1}\$  of  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1305.2756 [hep-ex]].  
[10.1103/PhysRevD.88.012004](https://doi.org/10.1103/PhysRevD.88.012004).  
Phys.Rev. D88 (2013) no.1, 012004.

349) [Triggers for displaced decays of long-lived neutral particles in the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1305.2284 [hep-ex]].  
[10.1088/1748-0221/8/07/P07015](https://doi.org/10.1088/1748-0221/8/07/P07015).  
JINST 8 (2013) P07015.

350) [Search for resonant diboson production in the  \$WW/WZ \rightarrow \ell\nu jj\$  decay channels with the ATLAS detector at  \$\sqrt{s} = 7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1305.0125 [hep-ex]].  
[10.1103/PhysRevD.87.112006](https://doi.org/10.1103/PhysRevD.87.112006).  
Phys.Rev. D87 (2013) no.11, 112006.

351) [Measurement of the production cross section of jets in association with a Z boson in pp collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1304.7098 [hep-ex]].  
[10.1007/JHEP07\(2013\)032](https://doi.org/10.1007/JHEP07(2013)032).  
JHEP 1307 (2013) 032.



- 352) [Study of heavy-flavor quarks produced in association with top-quark pairs at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1304.6386 [hep-ex]].  
[10.1103/PhysRevD.89.072012](https://doi.org/10.1103/PhysRevD.89.072012).  
Phys.Rev. D89 (2014) no.7, 072012.
- 353) [Search for nonpointing photons in the diphoton and  \$E^{\text{miss}}\$  T final state in  \$\sqrt{s}=7\$  TeV proton-proton collisions using the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1304.6310 [hep-ex]].  
[10.1103/PhysRevD.88.012001](https://doi.org/10.1103/PhysRevD.88.012001).  
Phys.Rev. D88 (2013) no.1, 012001.
- 354) [Measurement of the inclusive jet cross section in pp collisions at  \$\sqrt{s}=2.76\$  TeV and comparison to the inclusive jet cross section at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1304.4739 [hep-ex]].  
[10.1140/epjc/s10052-013-2509-4](https://doi.org/10.1140/epjc/s10052-013-2509-4).  
Eur.Phys.J. C73 (2013) no.8, 2509.
- 355) [Measurement with the ATLAS detector of multi-particle azimuthal correlations in p+Pb collisions at  \$\sqrt{s\_{NN}}=5.02\$  TeV.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1303.2084 [hep-ex]].  
[10.1016/j.physletb.2013.06.057](https://doi.org/10.1016/j.physletb.2013.06.057).  
Phys.Lett. B725 (2013) 60-78.
- 356) [Search for third generation scalar leptoquarks in pp collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1303.0526 [hep-ex]].  
[10.1007/JHEP06\(2013\)033](https://doi.org/10.1007/JHEP06(2013)033).  
JHEP 1306 (2013) 033.
- 357) [Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1303.0223 [hep-ex]].  
[10.1088/1748-0221/8/07/P07004](https://doi.org/10.1088/1748-0221/8/07/P07004).  
JINST 8 (2013) P07004.
- 358) [Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1302.4403 [hep-ex]].  
[10.1088/1367-2630/15/4/043009](https://doi.org/10.1088/1367-2630/15/4/043009).  
New J.Phys. 15 (2013) 043009.
- 359) [Improved luminosity determination in pp collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector at the LHC.](#)  
By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1302.4393 [hep-ex]].  
[10.1140/epjc/s10052-013-2518-3](https://doi.org/10.1140/epjc/s10052-013-2518-3).  
Eur.Phys.J. C73 (2013) no.8, 2518.

360) [Search for a light charged Higgs boson in the decay channel  \$H^+ \rightarrow c\bar{s}\$  in  \$t\bar{t}\$  events using pp collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1302.3694 [hep-ex]].  
[10.1140/epjc/s10052-013-2465-z](https://doi.org/10.1140/epjc/s10052-013-2465-z).

Eur.Phys.J. C73 (2013) no.6, 2465.

361) [Measurement of the cross-section for W boson production in association with b-jets in pp collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1302.2929 [hep-ex]].  
[10.1007/JHEP06\(2013\)084](https://doi.org/10.1007/JHEP06(2013)084).

JHEP 1306 (2013) 084.

362) [Measurement of kT splitting scales in  \$W \rightarrow l\nu\$  events at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1302.1415 [hep-ex]].  
[10.1140/epjc/s10052-013-2432-8](https://doi.org/10.1140/epjc/s10052-013-2432-8).

Eur.Phys.J. C73 (2013) no.5, 2432.

363) [Measurements of  \$W \rightarrow \gamma\$  and  \$Z \rightarrow \gamma\$  production in pp collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1302.1283 [hep-ex]].  
[10.1103/PhysRevD.87.112003](https://doi.org/10.1103/PhysRevD.87.112003), [10.1103/PhysRevD.91.119901](https://doi.org/10.1103/PhysRevD.91.119901).

Phys.Rev. D87 (2013) no.11, 112003, Erratum: Phys.Rev. D91 (2015) no.11, 119901.

364) [Measurement of hard double-parton interactions in  \$W\(\rightarrow l\nu\) + 2\$  jet events at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1301.6872 [hep-ex]].  
[10.1088/1367-2630/15/3/033038](https://doi.org/10.1088/1367-2630/15/3/033038).

New J.Phys. 15 (2013) 033038.

365) [Search for long-lived, multi-charged particles in pp collisions at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1301.5272 [hep-ex]].  
[10.1016/j.physletb.2013.04.036](https://doi.org/10.1016/j.physletb.2013.04.036).

Phys.Lett. B722 (2013) 305-323.

366) [Search for single  \$b^\*\$ -quark production with the ATLAS detector at  \$\sqrt{s} = 7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1301.1583 [hep-ex]].  
[10.1016/j.physletb.2013.03.016](https://doi.org/10.1016/j.physletb.2013.03.016).

Phys.Lett. B721 (2013) 171-189.

367) [Multi-channel search for squarks and gluinos in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1212.6149 [hep-ex]].

[10.1140/epjc/s10052-013-2362-5.](#)

Eur.Phys.J. C73 (2013) no.3, 2362.

368) [A search for prompt lepton-jets in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1212.5409 [hep-ex]].

[10.1016/j.physletb.2013.01.034.](#)

Phys.Lett. B719 (2013) 299-317.

369) [Observation of Associated Near-Side and Away-Side Long-Range Correlations in  \$\sqrt{s\_{NN}}=5.02\$  TeV Proton-Lead Collisions with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1212.5198 [hep-ex]].

[10.1103/PhysRevLett.110.182302.](#)

Phys.Rev.Lett. 110 (2013) no.18, 182302.

370) [Search for charged Higgs bosons through the violation of lepton universality in  \$t\bar{t}\$  events using  \$pp\$  collision data at  \$\sqrt{s}=7\$  TeV with the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1212.3572 [hep-ex]].

[10.1007/JHEP03\(2013\)076.](#)

JHEP 1303 (2013) 076.

371) [Search for a heavy narrow resonance decaying to  \$e\mu\$ ,  \$e\tau\$ , or  \$\mu\tau\$  with the ATLAS detector in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1212.1272 [hep-ex]].

[10.1016/j.physletb.2013.04.035.](#)

Phys.Lett. B723 (2013) 15-32.

372) [Search for the neutral Higgs bosons of the Minimal Supersymmetric Standard Model in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.6956 [hep-ex]].

[10.1007/JHEP02\(2013\)095.](#)

JHEP 1302 (2013) 095.

373) [Measurement of angular correlations in Drell-Yan lepton pairs to probe  \$Z/\gamma^\*\$  boson transverse momentum at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.6899 [hep-ex]].

[10.1016/j.physletb.2013.01.054.](#)

Phys.Lett. B720 (2013) 32-51.

374) [Search for new phenomena in events with three charged leptons at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.6312 [hep-ex]].  
[10.1103/PhysRevD.87.052002](https://arxiv.org/abs/10.1103/PhysRevD.87.052002).  
Phys.Rev. D87 (2013) no.5, 052002.

375) [Measurement of  \$ZZ\gamma\$  production in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV and limits on anomalous  \$ZZZ\$  and  \$ZZ\gamma\$  couplings with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.6096 [hep-ex]].  
[10.1007/JHEP03\(2013\)128](https://arxiv.org/abs/10.1007/JHEP03(2013)128).  
JHEP 1303 (2013) 128.

376) [Search for resonances decaying into top-quark pairs using fully hadronic decays in  \$pp\$  collisions with ATLAS at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.2202 [hep-ex]].  
[10.1007/JHEP01\(2013\)116](https://arxiv.org/abs/10.1007/JHEP01(2013)116).  
JHEP 1301 (2013) 116.

377) [Measurement of isolated-photon pair production in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.1913 [hep-ex]].  
[10.1007/JHEP01\(2013\)086](https://arxiv.org/abs/10.1007/JHEP01(2013)086).  
JHEP 1301 (2013) 086.

378) [Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton–proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.1167 [hep-ex]].  
[10.1016/j.physletb.2013.01.041](https://arxiv.org/abs/10.1016/j.physletb.2013.01.041).  
Phys.Lett. B719 (2013) 261-279.

379) [Search for contact interactions and large extra dimensions in dilepton events from  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.1150 [hep-ex]].  
[10.1103/PhysRevD.87.015010](https://arxiv.org/abs/10.1103/PhysRevD.87.015010).  
Phys.Rev. D87 (2013) no.1, 015010.

380) [Searches for heavy long-lived sleptons and R-Hadrons with the ATLAS detector in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.1597 [hep-ex]].  
[10.1016/j.physletb.2013.02.015](https://arxiv.org/abs/10.1016/j.physletb.2013.02.015).  
Phys.Lett. B720 (2013) 277-308.

381) [Measurement of Upsilon production in 7 TeV pp collisions at ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1211.7255 [hep-ex]].  
[10.1103/PhysRevD.87.052004](https://arxiv.org/abs/10.1103/PhysRevD.87.052004).  
Phys.Rev. D87 (2013) no.5, 052004.

- 382) [Measurement of the  \$t\bar{t}\$  production cross section in the tau+jets channel using the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1211.7205 [hep-ex]].  
[10.1140/epjc/s10052-013-2328-7](https://doi.org/10.1140/epjc/s10052-013-2328-7).  
Eur.Phys.J. C73 (2013) no.3, 2328.
- 383) [Search for Extra Dimensions in diphoton events using proton-proton collisions recorded at  \$\sqrt{s}=7\$  TeV with the ATLAS detector at the LHC.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.8389 [hep-ex]].  
[10.1088/1367-2630/15/4/043007](https://doi.org/10.1088/1367-2630/15/4/043007).  
New J.Phys. 15 (2013) 043007.
- 384) [Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.7451 [hep-ex]].  
[10.1016/j.physletb.2013.01.042](https://doi.org/10.1016/j.physletb.2013.01.042).  
Phys.Lett. B719 (2013) 280-298.
- 385) [A search for high-mass resonances decaying to  \$\tau^+\tau^-\$  in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.6604 [hep-ex]].  
[10.1016/j.physletb.2013.01.040](https://doi.org/10.1016/j.physletb.2013.01.040).  
Phys.Lett. B719 (2013) 242-260.
- 386) [Measurement of  \$Z\$  boson Production in Pb+Pb Collisions at  \$\sqrt{s\_{NN}}=2.76\$  TeV with the ATLAS Detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.6486 [hep-ex]].  
[10.1103/PhysRevLett.110.022301](https://doi.org/10.1103/PhysRevLett.110.022301).  
Phys.Rev.Lett. 110 (2013) no.2, 022301.
- 387) [Jet energy resolution in proton-proton collisions at  \$\sqrt{s}=7\$  TeV recorded in 2010 with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.6210 [hep-ex]].  
[10.1140/epjc/s10052-013-2306-0](https://doi.org/10.1140/epjc/s10052-013-2306-0).  
Eur.Phys.J. C73 (2013) no.3, 2306.
- 388) [Search for pair production of heavy top-like quarks decaying to a high- \$p\_T\$   \$W\$  boson and a  \$b\$  quark in the lepton plus jets final state at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.5468 [hep-ex]].  
[10.1016/j.physletb.2012.11.071](https://doi.org/10.1016/j.physletb.2012.11.071).  
Phys.Lett. B718 (2013) 1284-1302.
- 389) [Search for doubly-charged Higgs bosons in like-sign dilepton final states at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.5070 [hep-ex]].  
[10.1140/epjc/s10052-012-2244-2](https://doi.org/10.1140/epjc/s10052-012-2244-2).  
Eur.Phys.J. C72 (2012) 2244.

390) [Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.4826 [hep-ex]].  
[10.1140/epjc/s10052-012-2263-z](https://doi.org/10.1140/epjc/s10052-012-2263-z).  
Eur.Phys.J. C73 (2013) no.1, 2263.

391) [Search for pair production of massive particles decaying into three quarks with the ATLAS detector in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.4813 [hep-ex]].  
[10.1007/JHEP12\(2012\)086](https://doi.org/10.1007/JHEP12(2012)086).  
JHEP 1212 (2012) 086.

392) [Search for anomalous production of prompt like-sign lepton pairs at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.4538 [hep-ex]].  
[10.1007/JHEP12\(2012\)007](https://doi.org/10.1007/JHEP12(2012)007).  
JHEP 1212 (2012) 007.

393) [Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.4491 [hep-ex]].  
[10.1007/JHEP04\(2013\)075](https://doi.org/10.1007/JHEP04(2013)075).  
JHEP 1304 (2013) 075.

394) [Search for R-parity-violating supersymmetry in events with four or more leptons in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.4457 [hep-ex]].  
[10.1007/JHEP12\(2012\)124](https://doi.org/10.1007/JHEP12(2012)124).  
JHEP 1212 (2012) 124.

395) [Measurement of  \$W^+W^-\$  production in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector and limits on anomalous  \$WWZ\$  and  \$WW\gamma\$  couplings.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.2979 [hep-ex]].  
[10.1103/PhysRevD.88.079906](https://doi.org/10.1103/PhysRevD.88.079906), [10.1103/PhysRevD.87.112001](https://doi.org/10.1103/PhysRevD.87.112001).  
Phys.Rev. D87 (2013) no.11, 112001, Erratum: Phys.Rev. D88 (2013) no.7, 079906.

396) [Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1210.2852 [hep-ex]].  
[10.1007/JHEP01\(2013\)131](https://doi.org/10.1007/JHEP01(2013)131).

JHEP 1301 (2013) 131.

397) [ATLAS search for new phenomena in dijet mass and angular distributions using  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1210.1718 [hep-ex]].

[10.1007/JHEP01\(2013\)029.](#)

JHEP 1301 (2013) 029.

398) [Search for Supersymmetry in Events with Large Missing Transverse Momentum, Jets, and at Least One Tau Lepton in 7 TeV Proton-Proton Collision Data with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1210.1314 [hep-ex]].

[10.1140/epjc/s10052-012-2215-7.](#)

Eur.Phys.J. C72 (2012) 2215.

399) [Measurement of the flavour composition of dijet events in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1210.0441 [hep-ex]].

[10.1140/epjc/s10052-013-2301-5.](#)

Eur.Phys.J. C73 (2013) no.2, 2301.

400) [Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1210.0435 [hep-ex]].

[10.1016/j.physletb.2013.02.058.](#)

Phys.Lett. B721 (2013) 32-50.

401) [Search for resonant top plus jet production in  \$t\bar{t} + jets\$  events with the ATLAS detector in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1209.6593 [hep-ex]].

[10.1103/PhysRevD.86.091103.](#)

Phys.Rev. D86 (2012) 091103.

402) [Search for dark matter candidates and large extra dimensions in events with a photon and missing transverse momentum in  \$pp\$  collision data at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1209.4625 [hep-ex]].

[10.1103/PhysRevLett.110.011802.](#)

Phys.Rev.Lett. 110 (2013) no.1, 011802.

403) [ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1209.4446 [hep-ex]].

[10.1140/epjc/s10052-012-2241-5.](#)

Eur.Phys.J. C72 (2012) 2241.

404) [Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1209.4186 [hep-ex]].

[10.1007/JHEP11\(2012\)094.](#)

JHEP 1211 (2012) 094.

405) [Search for high-mass resonances decaying to dilepton final states in pp collisions at  \$s^{1/2} = 7\$ -TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1209.2535 [hep-ex]].

[10.1007/JHEP11\(2012\)138.](#)

JHEP 1211 (2012) 138.

406) [Search for light top squark pair production in final states with leptons and  \$b^0\$ -jets with the ATLAS detector in  \$\sqrt{s} = 7\$  TeV proton-proton collisions.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1209.2102 [hep-ex]].

[10.1016/j.physletb.2013.01.049.](#)

Phys.Lett. B720 (2013) 13-31.

407) [Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1209.0753 [hep-ex]].

[10.1016/j.physletb.2012.10.069.](#)

Phys.Lett. B718 (2012) 411-430.

408) [Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at  \$\sqrt{s} = 7\$  TeV with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1208.6256 [hep-ex]].

[10.1007/JHEP11\(2012\)033.](#)

JHEP 1211 (2012) 033.

409) [Further search for supersymmetry at  \$\sqrt{s} = 7\$  TeV in final states with jets, missing transverse momentum and isolated leptons with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1208.4688 [hep-ex]].

[10.1103/PhysRevD.86.092002.](#)

Phys.Rev. D86 (2012) 092002.

410) [Search for light scalar top quark pair production in final states with two leptons with the ATLAS detector in  \$\sqrt{s} = 7\$  TeV proton-proton collisions.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1208.4305 [hep-ex]].

[10.1140/epjc/s10052-012-2237-1.](#)

Eur.Phys.J. C72 (2012) 2237.

411) [Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in  \$\sqrt{s} = 7\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).



[arXiv:1208.3144 [hep-ex]].  
[10.1016/j.physletb.2012.11.039](https://arxiv.org/abs/10.1016/j.physletb.2012.11.039).  
Phys.Lett. B718 (2013) 841-859.

412) [Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in  \$\sqrt{s}=7\$  TeV collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1208.2884 [hep-ex]].  
[10.1016/j.physletb.2012.11.058](https://arxiv.org/abs/10.1016/j.physletb.2012.11.058).  
Phys.Lett. B718 (2013) 879-901.

413) [Search for new phenomena in the  \$W W\$  to  \$\ell \ell \nu \ell\$  final state in  \$\sqrt{s}=7\$  TeV collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1208.2880 [hep-ex]].  
[10.1016/j.physletb.2012.11.040](https://arxiv.org/abs/10.1016/j.physletb.2012.11.040).  
Phys.Lett. B718 (2013) 860-878.

414) [Search for direct top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in  \$\sqrt{s}=7\$  TeV collisions using 4.7 fb<sup>-1</sup> of ATLAS data.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1208.2590 [hep-ex]].  
[10.1103/PhysRevLett.109.211803](https://arxiv.org/abs/10.1103/PhysRevLett.109.211803).  
Phys.Rev.Lett. 109 (2012) 211803.

415) [Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at  \$\sqrt{s\_{NN}}=2.76\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1208.1967 [hep-ex]].  
[10.1016/j.physletb.2013.01.024](https://arxiv.org/abs/10.1016/j.physletb.2013.01.024).  
Phys.Lett. B719 (2013) 220-241.

416) [Search for a supersymmetric partner to the top quark in final states with jets and missing transverse momentum at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1208.1447 [hep-ex]].  
[10.1103/PhysRevLett.109.211802](https://arxiv.org/abs/10.1103/PhysRevLett.109.211802).  
Phys.Rev.Lett. 109 (2012) 211802.

417) [Measurement of  \$WZ\$  production in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1208.1390 [hep-ex]].  
[10.1140/epjc/s10052-012-2173-0](https://arxiv.org/abs/10.1140/epjc/s10052-012-2173-0).  
Eur.Phys.J. C72 (2012) 2173.

418) [Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 4.7 fb<sup>-1</sup> of  \$\sqrt{s}=7\$  TeV proton-proton collision data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1208.0949 [hep-ex]].  
[10.1103/PhysRevD.87.012008](https://doi.org/10.1103/PhysRevD.87.012008).  
Phys.Rev. D87 (2013) no.1, 012008.

419) [Time-dependent angular analysis of the decay  \$B\_{s}^{0} \rightarrow J/\psi\phi\$  and extraction of  \$\Delta\Gamma\_{s}\$  and the CP-violating weak phase  \$\phi\_{s}\$  by ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1208.0572 [hep-ex]].  
[10.1007/JHEP12\(2012\)072](https://doi.org/10.1007/JHEP12(2012)072).  
JHEP 1212 (2012) 072.

420) [Underlying event characteristics and their dependence on jet size of charged-particle jet events in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1208.0563 [hep-ex]].  
[10.1103/PhysRevD.86.072004](https://doi.org/10.1103/PhysRevD.86.072004).  
Phys.Rev. D86 (2012) 072004.

421) [Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1207.7214 [hep-ex]].  
[10.1016/j.physletb.2012.08.020](https://doi.org/10.1016/j.physletb.2012.08.020).  
Phys.Lett. B716 (2012) 1-29.

422) [Measurement of charged-particle event shape variables in  \$\sqrt{s}=7\$  TeV proton-proton interactions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1207.6915 [hep-ex]].  
[10.1103/PhysRevD.88.032004](https://doi.org/10.1103/PhysRevD.88.032004).  
Phys.Rev. D88 (2013) no.3, 032004.

423) [Search for magnetic monopoles in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1207.6411 [hep-ex]].  
[10.1103/PhysRevLett.109.261803](https://doi.org/10.1103/PhysRevLett.109.261803).  
Phys.Rev.Lett. 109 (2012) 261803.

424) [Measurements of top quark pair relative differential cross-sections with ATLAS in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1207.5644 [hep-ex]].  
[10.1140/epjc/s10052-012-2261-1](https://doi.org/10.1140/epjc/s10052-012-2261-1).  
Eur.Phys.J. C73 (2013) no.1, 2261.

425) [Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1207.4686 [hep-ex]].  
[10.1140/epjc/s10052-012-2174-z](https://doi.org/10.1140/epjc/s10052-012-2174-z).  
Eur.Phys.J. C72 (2012) 2174.

- 426) [A search for  \$\bar{t}\$  resonances in lepton+jets events with highly boosted top quarks collected in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1207.2409 [hep-ex]].  
[10.1007/JHEP09\(2012\)041](#).  
JHEP 1209 (2012) 041.
- 427) [Measurement of the  \$\Lambda\_b^0\$  lifetime and mass in the ATLAS experiment.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1207.2284 [hep-ex]].  
[10.1103/PhysRevD.87.032002](#).  
Phys.Rev. D87 (2013) no.3, 032002.
- 428) [Combined search for the Standard Model Higgs boson in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1207.0319 [hep-ex]].  
[10.1103/PhysRevD.86.032003](#).  
Phys.Rev. D86 (2012) 032003.
- 429) [Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a  \$b\bar{b}\$ -quark pair with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1207.0210 [hep-ex]].  
[10.1016/j.physletb.2012.10.061](#).  
Phys.Lett. B718 (2012) 369-390.
- 430) [Search for the Higgs boson in the  \$H \rightarrow W W \rightarrow l\nu\_{lj}\$  decay channel at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1206.6074 [hep-ex]].  
[10.1016/j.physletb.2012.10.066](#).  
Phys.Lett. B718 (2012) 391-410.
- 431) [Search for the Standard Model Higgs boson in the  \$H \rightarrow \tau^+ \tau^-\$  decay mode in  \$\sqrt{s} = 7\$  TeV  \$pp\$  collisions with ATLAS.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1206.5971 [hep-ex]].  
[10.1007/JHEP09\(2012\)070](#).  
JHEP 1209 (2012) 070.
- 432) [ATLAS measurements of the properties of jets for boosted particle searches.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1206.5369 [hep-ex]].  
[10.1103/PhysRevD.86.072006](#).  
Phys.Rev. D86 (2012) 072006.
- 433) [Measurement of the b-hadron production cross section using decays to  \$D^{\*} \mu^- X\$  final states in pp collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1206.3122 [hep-ex]].  
[10.1016/j.nuclphysb.2012.07.009](#).

Nucl.Phys. B864 (2012) 341-381.

434) [Search for a standard model Higgs boson in the mass range 200-600 GeV in the  \$H \rightarrow ZZ \rightarrow \ell\ell^+ \ell\ell^- q \bar{q}\$  decay channel with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1206.2443 [hep-ex]].

[10.1016/j.physletb.2012.09.020.](#)

Phys.Lett. B717 (2012) 70-88.

435) [Measurement of event shapes at large momentum transfer with the ATLAS detector in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1206.2135 [hep-ex]].

[10.1140/epjc/s10052-012-2211-y.](#)

Eur.Phys.J. C72 (2012) 2211.

436) [Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb<sup>-1</sup> of  \$\sqrt{s}=7\$  TeV proton-proton collisions.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1206.1760 [hep-ex]].

[10.1007/JHEP07\(2012\)167.](#)

JHEP 1207 (2012) 167.

437) [Search for the Standard Model Higgs boson in the  \$H \rightarrow WW^{\(\*\)} \rightarrow \ell\ell \nu \ell \nu\$  decay mode with 4.7 /fb of ATLAS data at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1206.0756 [hep-ex]].

[10.1016/j.physletb.2012.08.010.](#)

Phys.Lett. B716 (2012) 62-81.

438) [A search for flavour changing neutral currents in top-quark decays in  \$pp\$  collision data collected with the ATLAS detector at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1206.0257 [hep-ex]].

[10.1007/JHEP09\(2012\)139.](#)

JHEP 1209 (2012) 139.

439) [Search for a standard model Higgs boson in the  \$H \rightarrow ZZ \rightarrow \ell\ell^+ \ell\ell^- \nu \bar{\nu}\$  decay channel using 4.7 fb<sup>-1</sup> of  \$\sqrt{s}=7\$  TeV data with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.6744 [hep-ex]].

[10.1016/j.physletb.2012.09.016.](#)

Phys.Lett. B717 (2012) 29-48.

440) [Evidence for the associated production of a  \$W\$  boson and a top quark in ATLAS at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.5764 [hep-ex]].

[10.1016/j.physletb.2012.08.011.](#)

Phys.Lett. B716 (2012) 142-159.

441) [A search for  \$t\bar{t}\$  resonances with the ATLAS detector in 2.05 fb<sup>-1</sup> of](#)

[proton-proton collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.5371 [hep-ex]].

[10.1140/epjc/s10052-012-2083-1.](#)

Eur.Phys.J. C72 (2012) 2083.

442) [Measurement of the  \$t\bar{t}\$ -channel single top-quark production cross section in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.3130 [hep-ex]].

[10.1016/j.physletb.2012.09.031.](#)

Phys.Lett. B717 (2012) 330-350.

443) [Measurement of  \$W\gamma\$  and  \$Z\gamma\$  production cross sections in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV and limits on anomalous triple gauge couplings with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.2531 [hep-ex]].

[10.1016/j.physletb.2012.09.017.](#)

Phys.Lett. B717 (2012) 49-69.

444) [Measurement of the W boson polarization in top quark decays with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.2484 [hep-ex]].

[10.1007/JHEP06\(2012\)088.](#)

JHEP 1206 (2012) 088.

445) [Measurement of the top quark pair cross section with ATLAS in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV using final states with an electron or a muon and a hadronically decaying  \$\tau\$  lepton.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.2067 [hep-ex]].

[10.1016/j.physletb.2012.09.032.](#)

Phys.Lett. B717 (2012) 89-108.

446) [Search for  \$t\bar{b}\$  resonances in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.1016 [hep-ex]].

[10.1103/PhysRevLett.109.081801.](#)

Phys.Rev.Lett. 109 (2012) 081801.

447) [Search for lepton flavour violation in the  \$e\mu\$  continuum with the ATLAS detector in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.0725 [hep-ex]].

[10.1140/epjc/s10052-012-2040-z.](#)

Eur.Phys.J. C72 (2012) 2040.

448) [Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1205.0701 [hep-ex]].  
[10.1140/epjc/s10052-012-2157-0](https://arxiv.org/abs/1205.0701).  
Eur.Phys.J. C72 (2012) 2157.

449) [Search for scalar top quark pair production in natural gauge mediated supersymmetry models with the ATLAS detector in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1204.6736 [hep-ex]].  
[10.1016/j.physletb.2012.07.010](https://arxiv.org/abs/1204.6736).  
Phys.Lett. B715 (2012) 44-60.

450) [Measurement of  \$\tau\$  polarization in  \$W \rightarrow \tau \nu\$  decays with the ATLAS detector in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1204.6720 [hep-ex]].  
[10.1140/epjc/s10052-012-2062-6](https://arxiv.org/abs/1204.6720).  
Eur.Phys.J. C72 (2012) 2062.

451) [Search for supersymmetry in events with three leptons and missing transverse momentum in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1204.5638 [hep-ex]].  
[10.1103/PhysRevLett.108.261804](https://arxiv.org/abs/1204.5638).  
Phys.Rev.Lett. 108 (2012) 261804.

452) [Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at  \$\sqrt{s}=7\$  TeV.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1204.4646 [hep-ex]].  
[10.1016/j.physletb.2012.08.009](https://arxiv.org/abs/1204.4646).  
Phys.Lett. B716 (2012) 122-141.

453) [Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying  \$\tau\$  lepton in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1204.3852 [hep-ex]].  
[10.1016/j.physletb.2012.06.061](https://arxiv.org/abs/1204.3852).  
Phys.Lett. B714 (2012) 197-214.

454) [Search for charged Higgs bosons decaying via  \$H^{\pm} \rightarrow \tau \nu\$  in top quark pair events using  \$pp\$  collision data at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1204.2760 [hep-ex]].  
[10.1007/JHEP06\(2012\)039](https://arxiv.org/abs/1204.2760).  
JHEP 1206 (2012) 039.

455) [Search for resonant  \$WZ\$  production in the  \$WZ \rightarrow \ell \ell' \nu \ell \ell'^{\prime}\$  channel in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1204.1648 [hep-ex]].  
[10.1103/PhysRevD.85.112012](https://arxiv.org/abs/1204.1648).

Phys.Rev. D85 (2012) 112012.

456) [Search for pair production of a new quark that decays to a Z boson and a bottom quark with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1204.1265 [hep-ex]].

[10.1103/PhysRevLett.109.071801.](#)

Phys.Rev.Lett. 109 (2012) 071801.

457) [Search for the decay  \$B\_s^0 \rightarrow \mu^+ \mu^-\$  with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1204.0735 [hep-ex]].

[10.1016/j.physletb.2012.06.013.](#)

Phys.Lett. B713 (2012) 387-407.

458) [Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton–proton collision data with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.6580 [hep-ex]].

[10.1016/j.physletb.2012.06.055.](#)

Phys.Lett. B714 (2012) 180-196.

459) [Measurement of the  \$W W\$  cross section in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions with the ATLAS detector and limits on anomalous gauge couplings.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.6232 [hep-ex]].

[10.1016/j.physletb.2012.05.003.](#)

Phys.Lett. B712 (2012) 289-308.

460) [Search for supersymmetry in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV in final states with missing transverse momentum and  \$b^{\bar{c}}\$  jets with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.6193 [hep-ex]].

[10.1103/PhysRevD.85.112006.](#)

Phys.Rev. D85 (2012) 112006.

461) [Search for gluinos in events with two same-sign leptons, jets and missing transverse momentum with the ATLAS detector in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.5763 [hep-ex]].

[10.1103/PhysRevLett.108.241802.](#)

Phys.Rev.Lett. 108 (2012) 241802.

462) [Measurement of the top quark mass with the template method in the  \$t \bar{t} \rightarrow\$  lepton + jets channel using ATLAS data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.5755 [hep-ex]].

[10.1140/epjc/s10052-012-2046-6.](#)

Eur.Phys.J. C72 (2012) 2046.

463) [Search for heavy neutrinos and right-handed  \$W\$  bosons in events with two leptons and jets in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.5420 [hep-ex]].  
[10.1140/epjc/s10052-012-2056-4](https://doi.org/10.1140/epjc/s10052-012-2056-4).  
Eur.Phys.J. C72 (2012) 2056.

464) [Measurement of  \$t\bar{t}\$  production with a veto on additional central jet activity in pp collisions at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1203.5015 [hep-ex]].  
[10.1140/epjc/s10052-012-2043-9](https://doi.org/10.1140/epjc/s10052-012-2043-9).  
Eur.Phys.J. C72 (2012) 2043.

465) [Jet mass and substructure of inclusive jets in  \$\sqrt{s}=7\$  TeV pp collisions with the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1203.4606 [hep-ex]].  
[10.1007/JHEP05\(2012\)128](https://doi.org/10.1007/JHEP05(2012)128).  
JHEP 1205 (2012) 128.

466) [Measurement of the charge asymmetry in top quark pair production in pp collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1203.4211 [hep-ex]].  
[10.1140/epjc/s10052-012-2039-5](https://doi.org/10.1140/epjc/s10052-012-2039-5).  
Eur.Phys.J. C72 (2012) 2039.

467) [Observation of spin correlation in  \$t\bar{t}\$  events from pp collisions at  \$\sqrt{s} = 7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1203.4081 [hep-ex]].  
[10.1103/PhysRevLett.108.212001](https://doi.org/10.1103/PhysRevLett.108.212001).  
Phys.Rev.Lett. 108 (2012) 212001.

468) [Determination of the strange quark density of the proton from ATLAS measurements of the  \$W \rightarrow \ell \bar{\nu}\$  and  \$Z \rightarrow \ell \ell\$  cross sections.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1203.4051 [hep-ex]].  
[10.1103/PhysRevLett.109.012001](https://doi.org/10.1103/PhysRevLett.109.012001).  
Phys.Rev.Lett. 109 (2012) 012001.

469) [Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1203.3549 [hep-ex]].  
[10.1007/JHEP05\(2012\)157](https://doi.org/10.1007/JHEP05(2012)157).  
JHEP 1205 (2012) 157.

470) [Search for second generation scalar leptoquarks in pp collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1203.3172 [hep-ex]].  
[10.1140/epjc/s10052-012-2151-6](https://doi.org/10.1140/epjc/s10052-012-2151-6).  
Eur.Phys.J. C72 (2012) 2151.



471) [Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.3161 [hep-ex]].

[10.1103/PhysRevD.85.092014.](#)

Phys.Rev. D85 (2012) 092014.

472) [Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.3100 [hep-ex]].

[10.1007/JHEP07\(2012\)019.](#)

JHEP 1207 (2012) 019.

473) [Measurement of the azimuthal anisotropy for charged particle production in  \$\sqrt{s\_{NN}}=2.76\$  TeV lead-lead collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.3087 [hep-ex]].

[10.1103/PhysRevC.86.014907.](#)

Phys.Rev. C86 (2012) 014907.

474) [Measurement of the polarisation of  \$W\$  bosons produced with large transverse momentum in pp collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.2165 [hep-ex]].

[10.1140/epjc/s10052-012-2001-6.](#)

Eur.Phys.J. C72 (2012) 2001.

475) [Search for a light Higgs boson decaying to long-lived weakly-interacting particles in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.1303 [hep-ex]].

[10.1103/PhysRevLett.108.251801.](#)

Phys.Rev.Lett. 108 (2012) 251801.

476) [Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.1302 [hep-ex]].

[10.1140/epjc/s10052-013-2305-1.](#)

Eur.Phys.J. C73 (2013) no.3, 2305.

477) [Search for new particles decaying to  \$Z Z\$  using final states with leptons and jets with the ATLAS detector in  \$\sqrt{s}=7\$  TeV proton-proton collisions.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.0718 [hep-ex]].

[10.1016/j.physletb.2012.05.020.](#)

Phys.Lett. B712 (2012) 331-350.

478) [Search for FCNC single top-quark production at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1203.0529 [hep-ex]].

[10.1016/j.physletb.2012.05.022](https://arxiv.org/abs/10.1016/j.physletb.2012.05.022).  
Phys.Lett. B712 (2012) 351-369.

479) [Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1203.0419 [hep-ex]].  
[10.1103/PhysRevD.86.052005](https://arxiv.org/abs/10.1103/PhysRevD.86.052005).  
Phys.Rev. D86 (2012) 052005.

480) [Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying  \$W\$  bosons.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1202.6540 [hep-ex]].  
[10.1103/PhysRevLett.109.032001](https://arxiv.org/abs/10.1103/PhysRevLett.109.032001).  
Phys.Rev.Lett. 109 (2012) 032001.

481) [Search for same-sign top-quark production and fourth-generation down-type quarks in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1202.5520 [hep-ex]].  
[10.1007/JHEP04\(2012\)069](https://arxiv.org/abs/10.1007/JHEP04(2012)069).  
JHEP 1204 (2012) 069.

482) [Measurement of the cross section for top-quark pair production in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector using final states with two high-pt leptons.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1202.4892 [hep-ex]].  
[10.1007/JHEP05\(2012\)059](https://arxiv.org/abs/10.1007/JHEP05(2012)059).  
JHEP 1205 (2012) 059.

483) [Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1202.4847 [hep-ex]].  
[10.1140/epjc/s10052-012-1993-2](https://arxiv.org/abs/10.1140/epjc/s10052-012-1993-2).  
Eur.Phys.J. C72 (2012) 1993.

484) [Search for pair-produced heavy quarks decaying to  \$Wq\$  in the two-lepton channel at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1202.3389 [hep-ex]].  
[10.1103/PhysRevD.86.012007](https://arxiv.org/abs/10.1103/PhysRevD.86.012007).  
Phys.Rev. D86 (2012) 012007.

485) [Search for pair production of a heavy up-type quark decaying to a  \$W\$  boson and a  \$b\$  quark in the lepton+jets channel with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1202.3076 [hep-ex]].  
[10.1103/PhysRevLett.108.261802](https://arxiv.org/abs/10.1103/PhysRevLett.108.261802).  
Phys.Rev.Lett. 108 (2012) 261802.

486) [Search for the Standard Model Higgs boson in the decay channel  \$H \rightarrow ZZ^{\(\*\)}\$](#)

[\to 4 \ell\ell\\$ with 4.8 fb\\$^{-1}\\$ of \\$pp\\$ collision data at \\$\sqrt{s}=7\\$ TeV with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1202.1415 [hep-ex]].

[10.1016/j.physletb.2012.03.005.](#)

Phys.Lett. B710 (2012) 383-402.

487) [Search for the Standard Model Higgs boson in the diphoton decay channel with 4.9 fb\\$^{-1}\\$ of \\$pp\\$ collisions at \\$\sqrt{s}=7\\$ TeV with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1202.1414 [hep-ex]].

[10.1103/PhysRevLett.108.111803.](#)

Phys.Rev.Lett. 108 (2012) 111803.

488) [Combined search for the Standard Model Higgs boson using up to 4.9 fb\\$^{-1}\\$ of \\$pp\\$ collision data at \\$\sqrt{s}=7\\$ TeV with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1202.1408 [hep-ex]].

[10.1016/j.physletb.2012.02.044.](#)

Phys.Lett. B710 (2012) 49-66.

489) [Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1201.5595 [hep-ex]].

[10.1140/epjc/s10052-012-1965-6.](#)

Eur.Phys.J. C72 (2012) 1965.

490) [Search for excited leptons in proton-proton collisions at \\$\sqrt{s}=7\\$ TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1201.3293 [hep-ex]].

[10.1103/PhysRevD.85.072003.](#)

Phys.Rev. D85 (2012) 072003.

491) [Rapidity gap cross sections measured with the ATLAS detector in \\$pp\\$ collisions at \\$\sqrt{s}=7\\$ TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1201.2808 [hep-ex]].

[10.1140/epjc/s10052-012-1926-0.](#)

Eur.Phys.J. C72 (2012) 1926.

492) [Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1201.1889 [hep-ex]].

[10.1016/j.physletb.2012.03.083.](#)

Phys.Lett. B711 (2012) 244-263.

493) [Study of jets produced in association with a \\$W\\$ boson in \\$pp\\$ collisions at \\$\sqrt{s}=7\\$ TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1201.1276 [hep-ex]].

[10.1103/PhysRevD.85.092002.](#)

Phys.Rev. D85 (2012) 092002.

494) [Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the Standard Model with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1201.1091 [hep-ex]].

[10.1103/PhysRevD.85.032004.](#)

Phys.Rev. D85 (2012) 032004.

495) [A particle consistent with the Higgs Boson observed with the ATLAS Detector at the Large Hadron Collider.](#)

By ATLAS Collaboration (Georges Aad et al.).

[10.1126/science.1232005.](#)

Science 338 (2012) 1576-1582.

496) [Jet energy measurement with the ATLAS detector in proton-proton collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1112.6426 [hep-ex]].

[10.1140/epjc/s10052-013-2304-2.](#)

Eur.Phys.J. C73 (2013) no.3, 2304.

497) [Measurement of inclusive jet and dijet production in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1112.6297 [hep-ex]].

[10.1103/PhysRevD.86.014022.](#)

Phys.Rev. D86 (2012) 014022.

498) [Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1112.5755 [hep-ex]].

[10.1016/j.physletb.2012.03.082.](#)

Phys.Lett. B712 (2012) 22-39.

499) [Observation of a new  \$\chi\_b\$  state in radiative transitions to  \$\Upsilon\(1S\)\$  and  \$\Upsilon\(2S\)\$  at ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1112.5154 [hep-ex]].

[10.1103/PhysRevLett.108.152001.](#)

Phys.Rev.Lett. 108 (2012) 152001.

500) [Search for first generation scalar leptoquarks in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1112.4828 [hep-ex]].

[10.1016/j.physletb.2012.02.004](#), [10.1016/j.physletb.2012.03.023.](#)

Phys.Lett. B709 (2012) 158-176, Erratum: Phys.Lett. B711 (2012) 442-455.

501) [Measurement of  \$D^{\*+/-}\$  meson production in jets from  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1112.4432 [hep-ex]].  
[10.1103/PhysRevD.85.052005](https://doi.org/10.1103/PhysRevD.85.052005).  
Phys.Rev. D85 (2012) 052005.

502) [Search for contact interactions in dilepton events from  \$\sqrt{s}\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1112.4462 [hep-ex]].  
[10.1016/j.physletb.2012.04.026](https://doi.org/10.1016/j.physletb.2012.04.026).  
Phys.Lett. B712 (2012) 40-58.

503) [Search for scalar bottom quark pair production with the ATLAS detector in  \$\sqrt{s}\$  Collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1112.3832 [hep-ex]].  
[10.1103/PhysRevLett.108.181802](https://doi.org/10.1103/PhysRevLett.108.181802).  
Phys.Rev.Lett. 108 (2012) 181802.

504) [Search for production of resonant states in the photon-jet mass distribution using  \$\sqrt{s}\$  collisions at  \$\sqrt{s}=7\$  TeV collected by the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1112.3580 [hep-ex]].  
[10.1103/PhysRevLett.108.211802](https://doi.org/10.1103/PhysRevLett.108.211802).  
Phys.Rev.Lett. 108 (2012) 211802.

505) [Search for the Higgs boson in the  \$H \rightarrow WW^{\(\*\)} \rightarrow \ell\ell \nu\ell\ell \nu\$  decay channel in  \$\sqrt{s}\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1112.2577 [hep-ex]].  
[10.1103/PhysRevLett.108.111802](https://doi.org/10.1103/PhysRevLett.108.111802).  
Phys.Rev.Lett. 108 (2012) 111802.

506) [Search for extra dimensions using diphoton events in 7 TeV proton–proton collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1112.2194 [hep-ex]].  
[10.1016/j.physletb.2012.03.022](https://doi.org/10.1016/j.physletb.2012.03.022).  
Phys.Lett. B710 (2012) 538-556.

507) [Measurement of the  \$W^\pm Z\$  production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1111.5570 [hep-ex]].  
[10.1016/j.physletb.2012.02.053](https://doi.org/10.1016/j.physletb.2012.02.053).  
Phys.Lett. B709 (2012) 341-357.

508) [Search for diphoton events with large missing transverse momentum in  \$\sqrt{s}=7\$  TeV proton–proton collision data with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1111.4116 [hep-ex]].  
[10.1016/j.physletb.2012.02.054](https://doi.org/10.1016/j.physletb.2012.02.054).  
Phys.Lett. B710 (2012) 519-537.

509) [Measurement of the production cross section for  \$Z/\gamma^\*\$  in association with jets in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1111.2690 [hep-ex]].

[10.1103/PhysRevD.85.032009.](#)

Phys.Rev. D85 (2012) 032009.

510) [Kshort and  \$\Lambda\$  production in  \$pp\$  interactions at  \$\sqrt{s}=0.9\$  and 7 TeV measured with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1111.1297 [hep-ex]].

[10.1103/PhysRevD.85.012001.](#)

Phys.Rev. D85 (2012) 012001.

511) [Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1111.0080 [hep-ex]].

[10.1016/j.physletb.2012.02.049.](#)

Phys.Lett. B709 (2012) 322-340.

512) [A study of the material in the ATLAS inner detector using secondary hadronic interactions.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1110.6191 [hep-ex]].

[10.1088/1748-0221/7/01/P01013.](#)

JINST 7 (2012) P01013.

513) [Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in  \$\sqrt{s}=7\$  TeV proton-proton collisions.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1110.6189 [hep-ex]].

[10.1016/j.physletb.2012.01.076.](#)

Phys.Lett. B709 (2012) 137-157.

514) [Measurement of the  \$Z Z\$  production cross section and limits on anomalous neutral triple gauge couplings in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1110.5016 [hep-ex]].

[10.1103/PhysRevLett.108.041804.](#)

Phys.Rev.Lett. 108 (2012) 041804.

515) [Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1110.3174 [hep-ex]].

[10.1140/epjc/s10052-012-1909-1.](#)

Eur.Phys.J. C72 (2012) 1909.

516) [Search for Massive Colored Scalars in Four-Jet Final States in  \$\sqrt{s}=7\$  TeV](#)

[proton-proton collisions with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1110.2693 [hep-ex]].

[10.1140/epjc/s10052-011-1828-6.](#)

Eur.Phys.J. C71 (2011) 1828.

517) [Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1110.2299 [hep-ex]].

[10.1007/JHEP11\(2011\)099.](#)

JHEP 1111 (2011) 099.

518) [Performance of the ATLAS Trigger System in 2010.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1110.1530 [hep-ex]].

[10.1140/epjc/s10052-011-1849-1.](#)

Eur.Phys.J. C72 (2012) 1849.

519) [Measurement of the inclusive and dijet cross-sections of  \$b^b\$  jets in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1109.6833 [hep-ex]].

[10.1140/epjc/s10052-011-1846-4.](#)

Eur.Phys.J. C71 (2011) 1846.

520) [Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in  \$\sqrt{s} = 7\$  TeV pp collisions using 1  \$fb^{-1}\$  of ATLAS data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1109.6606 [hep-ex]].

[10.1103/PhysRevD.87.099903](#), [10.1103/PhysRevD.85.012006.](#)

Phys.Rev. D85 (2012) no.1, 012006, Erratum: Phys.Rev. D87 (2013) 099903.

521) [Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in  \$\sqrt{s}=7\$  TeV proton-proton collisions.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1109.6572 [hep-ex]].

[10.1016/j.physletb.2012.02.051.](#)

Phys.Lett. B710 (2012) 67-85.

522) [Search for the Standard Model Higgs boson in the decay channel  \$H \rightarrow ZZ^{\(\*\)} \rightarrow 4\ell\$  with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1109.5945 [hep-ex]].

[10.1016/j.physletb.2011.10.034.](#)

Phys.Lett. B705 (2011) 435-451.

523) [Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1109.5816 [hep-ex]].

[10.1140/epjc/s10052-011-1795-y](https://doi.org/10.1140/epjc/s10052-011-1795-y).  
Eur.Phys.J. C71 (2011) 1795.

524) [Measurement of the inclusive  \$W^{\pm}\$  and  \$Z/\gamma\$  cross sections in the electron and muon decay channels in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1109.5141 [hep-ex]].  
[10.1103/PhysRevD.85.072004](https://doi.org/10.1103/PhysRevD.85.072004).  
Phys.Rev. D85 (2012) 072004.

525) [Search for New Phenomena in  \$t\bar{t}\$  Events With Large Missing Transverse Momentum in Proton-Proton Collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1109.4725 [hep-ex]].  
[10.1103/PhysRevLett.108.041805](https://doi.org/10.1103/PhysRevLett.108.041805).  
Phys.Rev.Lett. 108 (2012) 041805.

526) [Search for the Higgs boson in the  \$H \rightarrow WW \rightarrow l\nu jj\$  decay channel in  \$pp\$  collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1109.3615 [hep-ex]].  
[10.1103/PhysRevLett.107.231801](https://doi.org/10.1103/PhysRevLett.107.231801).  
Phys.Rev.Lett. 107 (2011) 231801.

527) [Search for a Standard Model Higgs boson in the  \$H \rightarrow ZZ \rightarrow l^+l^-\nu\bar{\nu}\$  decay channel with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1109.3357 [hep-ex]].  
[10.1103/PhysRevLett.107.221802](https://doi.org/10.1103/PhysRevLett.107.221802).  
Phys.Rev.Lett. 107 (2011) 221802.

528) [Search for a heavy neutral particle decaying into an electron and a muon using  \$1 \text{ fb}^{-1}\$  of ATLAS data.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1109.3089 [hep-ex]].  
[10.1140/epjc/s10052-011-1809-9](https://doi.org/10.1140/epjc/s10052-011-1809-9).  
Eur.Phys.J. C71 (2011) 1809.

529) [Search for displaced vertices arising from decays of new heavy particles in 7 TeV  \$pp\$  collisions at ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1109.2242 [hep-ex]].  
[10.1016/j.physletb.2011.12.057](https://doi.org/10.1016/j.physletb.2011.12.057).  
Phys.Lett. B707 (2012) 478-496.

530) [Measurement of the cross-section for  \$b\bar{b}\$ -jets produced in association with a  \$Z\bar{Z}\$  boson at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1109.1403 [hep-ex]].  
[10.1016/j.physletb.2011.11.059](https://doi.org/10.1016/j.physletb.2011.11.059).  
Phys.Lett. B706 (2012) 295-313.



531) [Measurement of the cross section for the production of a  \$W\$  boson in association with  \$b^0\$  jets in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1109.1470 [hep-ex]].  
[10.1016/j.physletb.2011.12.046](#).  
Phys.Lett. B707 (2012) 418-437.

532) [Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1109.0525 [hep-ex]].  
[10.1016/j.physletb.2011.12.054](#).  
Phys.Lett. B707 (2012) 438-458.

533) [Search for New Physics in the Dijet Mass Distribution using 1 fb<sup>-1</sup> of  \$pp\$  Collision Data at  \$\sqrt{s}=7\$  TeV collected by the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.6311 [hep-ex]].  
[10.1016/j.physletb.2012.01.035](#).  
Phys.Lett. B708 (2012) 37-54.

534) [Measurement of the Transverse Momentum Distribution of  \$W\$  Bosons in  \$pp\$  Collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.6308 [hep-ex]].  
[10.1103/PhysRevD.85.012005](#).  
Phys.Rev. D85 (2012) 012005.

535) [Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at  \$\sqrt{s\_{NN}}=2.76\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.6027 [hep-ex]].  
[10.1016/j.physletb.2012.02.045](#).  
Phys.Lett. B710 (2012) 363-382.

536) [Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at  \$\sqrt{s\_{NN}}=2.76\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.6018 [hep-ex]].  
[10.1016/j.physletb.2011.12.056](#).  
Phys.Lett. B707 (2012) 330-348.

537) [Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.5895 [hep-ex]].  
[10.1016/j.physletb.2011.10.051](#).  
Phys.Lett. B705 (2011) 452-470.

538) [Performance of Missing Transverse Momentum Reconstruction in Proton-Proton](#)

[Collisions at 7 TeV with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.5602 [hep-ex]].  
[10.1140/epjc/s10052-011-1844-6.](#)  
Eur.Phys.J. C72 (2012) 1844.

539) [Search for a heavy Standard Model Higgs boson in the channel  \$H \rightarrow ZZ \rightarrow \ell\ell^+ \ell\ell^- q \bar{q}\$  using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.5064 [hep-ex]].  
[10.1016/j.physletb.2011.11.056.](#)  
Phys.Lett. B707 (2012) 27-45.

540) [A measurement of the ratio of the  \$W\$  and  \$Z\$  cross sections with exactly one associated jet in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.4908 [hep-ex]].  
[10.1016/j.physletb.2012.01.042.](#)  
Phys.Lett. B708 (2012) 221-240.

541) [Measurement of the  \$W \rightarrow \tau \nu \tau\$  cross section in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.4101 [hep-ex]].  
[10.1016/j.physletb.2011.11.057.](#)  
Phys.Lett. B706 (2012) 276-294.

542) [Measurement of the top quark pair production cross section in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV in dilepton final states with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.3699 [hep-ex]].  
[10.1016/j.physletb.2011.12.055.](#)  
Phys.Lett. B707 (2012) 459-477.

543) [Measurement of the Z to tau tau Cross Section with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.2016 [hep-ex]].  
[10.1103/PhysRevD.84.112006.](#)  
Phys.Rev. D84 (2011) 112006.

544) [Search for dilepton resonances in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.1582 [hep-ex]].  
[10.1103/PhysRevLett.107.272002.](#)  
Phys.Rev.Lett. 107 (2011) 272002.

545) [Search for a heavy gauge boson decaying to a charged lepton and a neutrino in  \$1 \text{ fb}^{-1}\$  of  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1108.1316 [hep-ex]].  
[10.1016/j.physletb.2011.09.093.](#)  
Phys.Lett. B705 (2011) 28-46.

546) [Inclusive search for same-sign dilepton signatures in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1108.0366 [hep-ex]].

[10.1007/JHEP10\(2011\)107.](#)

JHEP 1110 (2011) 107.

547) [Measurement of the inclusive isolated prompt photon cross-section in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV using 35 pb<sup>-1</sup> of ATLAS data.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1108.0253 [hep-ex]].

[10.1016/j.physletb.2011.11.010.](#)

Phys.Lett. B706 (2011) 150-167.

548) [Search for neutral MSSM Higgs bosons decaying to  \$\tau^+\tau^-\$  pairs in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1107.5003 [hep-ex]].

[10.1016/j.physletb.2011.10.001.](#)

Phys.Lett. B705 (2011) 174-192.

549) [Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1107.3311 [hep-ex]].

[10.1103/PhysRevD.84.054001.](#)

Phys.Rev. D84 (2011) 054001.

550) [Measurement of the transverse momentum distribution of  \$Z/\gamma^\*\$  bosons in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1107.2381 [hep-ex]].

[10.1016/j.physletb.2011.10.018.](#)

Phys.Lett. B705 (2011) 415-434.

551) [Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1107.2092 [hep-ex]].

[10.1140/epjc/s10052-011-1763-6.](#)

Eur.Phys.J. C71 (2011) 1763.

552) [Measurement of dijet production with a veto on additional central jet activity in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1107.1641 [hep-ex]].

[10.1007/JHEP09\(2011\)053.](#)

JHEP 1109 (2011) 053.

553) [Search for Diphoton Events with Large Missing Transverse Energy with 36 pb<sup>-1</sup> of 7 TeV Proton-Proton Collision Data with the {ATLAS} Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1107.0561 [hep-ex]].  
[10.1140/epjc/s10052-011-1744-9](https://doi.org/10.1140/epjc/s10052-011-1744-9).  
Eur.Phys.J. C71 (2011) 1744.

554) [Measurement of the isolated di-photon cross-section in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1107.0581 [hep-ex]].  
[10.1103/PhysRevD.85.012003](https://doi.org/10.1103/PhysRevD.85.012003).  
Phys.Rev. D85 (2012) 012003.

555) [Measurement of the  \$\Upsilon\(1S\)\$  production cross-section in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV in ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1106.5325 [hep-ex]].  
[10.1016/j.physletb.2011.09.092](https://doi.org/10.1016/j.physletb.2011.09.092).  
Phys.Lett. B705 (2011) 9-27.

556) [Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in  \$\sqrt{s}=7\$  TeV proton-proton collisions.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1106.5327 [hep-ex]].  
[10.1016/j.physletb.2011.10.006](https://doi.org/10.1016/j.physletb.2011.10.006).  
Phys.Lett. B705 (2011) 294-312.

557) [Search for heavy long-lived charged particles with the ATLAS detector in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1106.4495 [hep-ex]].  
[10.1016/j.physletb.2011.08.042](https://doi.org/10.1016/j.physletb.2011.08.042).  
Phys.Lett. B703 (2011) 428-446.

558) [Limits on the production of the Standard Model Higgs Boson in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1106.2748 [hep-ex]].  
[10.1140/epjc/s10052-011-1728-9](https://doi.org/10.1140/epjc/s10052-011-1728-9).  
Eur.Phys.J. C71 (2011) 1728.

559) [Measurement of  \$W\gamma\$  and  \$Z\gamma\$  production in proton-proton collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1106.1592 [hep-ex]].  
[10.1007/JHEP09\(2011\)072](https://doi.org/10.1007/JHEP09(2011)072).  
JHEP 1109 (2011) 072.

560) [Measurement of the  \$W W\$  cross section in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions with ATLAS.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1104.5225 [hep-ex]].  
[10.1103/PhysRevLett.107.041802](https://doi.org/10.1103/PhysRevLett.107.041802).  
Phys.Rev.Lett. 107 (2011) 041802.

561) [Search for Contact Interactions in Dimuon Events from  \$pp\$  Collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1104.4398 [hep-ex]].

[10.1103/PhysRevD.84.011101.](#)

Phys.Rev. D84 (2011) 011101.

562) [Search for pair production of first or second generation leptoquarks in proton-proton collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1104.4481 [hep-ex]].

[10.1103/PhysRevD.83.112006.](#)

Phys.Rev. D83 (2011) 112006.

563) [Measurement of the differential cross-sections of inclusive, prompt and non-prompt  \$J/\psi\$  production in proton-proton collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1104.3038 [hep-ex]].

[10.1016/j.nuclphysb.2011.05.015.](#)

Nucl.Phys. B850 (2011) 387-444.

564) [Measurement of the Inelastic Proton-Proton Cross-Section at  \$\sqrt{s}=7\$  TeV with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1104.0326 [hep-ex]].

[10.1038/ncomms1472.](#)

Nature Commun. 2 (2011) 463.

565) [Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in  \$\sqrt{s}=7\$  TeV proton-proton collisions with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1103.6208 [hep-ex]].

[10.1140/epjc/s10052-011-1647-9.](#)

Eur.Phys.J. C71 (2011) 1647.

566) [Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in  \$\sqrt{s}=7\$  TeV proton-proton collisions with the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1103.6214 [hep-ex]].

[10.1140/epjc/s10052-011-1682-6.](#)

Eur.Phys.J. C71 (2011) 1682.

567) [Search for high mass dilepton resonances in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS experiment.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1103.6218 [hep-ex]].

[10.1016/j.physletb.2011.04.044.](#)

Phys.Lett. B700 (2011) 163-180.

568) [Search for a heavy particle decaying into an electron and a muon with the ATLAS detector in  \$\sqrt{s}=7\$  TeV  \$pp\$  collisions at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1103.5559 [hep-ex]].  
[10.1103/PhysRevLett.106.251801](https://doi.org/10.1103/PhysRevLett.106.251801).  
Phys.Rev.Lett. 106 (2011) 251801.

569) [Search for supersymmetry in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV in final states with missing transverse momentum and  \$b\$ -jets.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1103.4344 [hep-ex]].  
[10.1016/j.physletb.2011.06.015](https://doi.org/10.1016/j.physletb.2011.06.015).  
Phys.Lett. B701 (2011) 398-416.

570) [Search for New Physics in Dijet Mass and Angular Distributions in  \$pp\$  Collisions at  \$\sqrt{s} = 7\$  TeV Measured with the ATLAS Detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1103.3864 [hep-ex]].  
[10.1088/1367-2630/13/5/053044](https://doi.org/10.1088/1367-2630/13/5/053044).  
New J.Phys. 13 (2011) 053044.

571) [Measurement of the  \$W\$  charge asymmetry in the  \$W \rightarrow \mu \nu\$  decay mode in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1103.2929 [hep-ex]].  
[10.1016/j.physletb.2011.05.024](https://doi.org/10.1016/j.physletb.2011.05.024).  
Phys.Lett. B701 (2011) 31-49.

572) [Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1103.1984 [hep-ex]].  
[10.1016/j.physletb.2011.05.010](https://doi.org/10.1016/j.physletb.2011.05.010).  
Phys.Lett. B701 (2011) 1-19.

573) [Measurements of underlying-event properties using neutral and charged particles in  \$pp\$  collisions at 900 GeV and 7 TeV with the ATLAS detector at the LHC.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1103.1816 [hep-ex]].  
[10.1140/epjc/s10052-011-1636-z](https://doi.org/10.1140/epjc/s10052-011-1636-z).  
Eur.Phys.J. C71 (2011) 1636.

574) [Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1103.1391 [hep-ex]].  
[10.1016/j.physletb.2011.05.043](https://doi.org/10.1016/j.physletb.2011.05.043).  
Phys.Lett. B701 (2011) 50-69.

575) [Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in  \$\sqrt{s}=7\$  TeV proton-proton collisions.](#)  
By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1102.5290 [hep-ex]].  
[10.1016/j.physletb.2011.05.061](https://doi.org/10.1016/j.physletb.2011.05.061).  
Phys.Lett. B701 (2011) 186-203.

576) [Measurement of Dijet Azimuthal Decorrelations in  \$pp\$  Collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1102.2696 [hep-ex]].

[10.1103/PhysRevLett.106.172002.](#)

Phys.Rev.Lett. 106 (2011) 172002.

577) [Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in  \$\sqrt{s}=7\$  TeV  \$pp\$ .](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1102.2357 [hep-ex]].

[10.1103/PhysRevLett.106.131802.](#)

Phys.Rev.Lett. 106 (2011) 131802.

578) [Search for Massive Long-lived Highly Ionising Particles with the ATLAS Detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1102.0459 [hep-ex]].

[10.1016/j.physletb.2011.03.033.](#)

Phys.Lett. B698 (2011) 353-370.

579) [Luminosity Determination in  \$pp\$  Collisions at  \$\sqrt{s}=7\$  TeV Using the ATLAS Detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1101.2185 [hep-ex]].

[10.1140/epjc/s10052-011-1630-5.](#)

Eur.Phys.J. C71 (2011) 1630.

580) [Study of Jet Shapes in Inclusive Jet Production in  \$pp\$  Collisions at  \$\sqrt{s}=7\$  TeV using the ATLAS Detector.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1101.0070 [hep-ex]].

[10.1103/PhysRevD.83.052003.](#)

Phys.Rev. D83 (2011) 052003.

581) [Measurement of the production cross section for W-bosons in association with jets in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).

[arXiv:1012.5382 [hep-ex]].

[10.1016/j.physletb.2011.03.012.](#)

Phys.Lett. B698 (2011) 325-345.

582) [Measurement of the centrality dependence of  \$J/\psi\$  yields and observation of Z production in lead–lead collisions with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1012.5419 [hep-ex]].

[10.1016/j.physletb.2011.02.006.](#)

Phys.Lett. B697 (2011) 294-312.

583) [Charged-particle multiplicities in  \$pp\$  interactions measured with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1012.5104 [hep-ex]].  
[10.1088/1367-2630/13/5/053033](https://doi.org/10.1088/1367-2630/13/5/053033).  
New J.Phys. 13 (2011) 053033.

584) [Measurement of the inclusive isolated prompt photon cross section in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (G. Aad et al.).  
[arXiv:1012.4389 [hep-ex]].  
[10.1103/PhysRevD.83.052005](https://doi.org/10.1103/PhysRevD.83.052005).  
Phys.Rev. D83 (2011) 052005.

585) [Search for Diphoton Events with Large Missing Transverse Energy in 7 TeV Proton-Proton Collisions with the ATLAS Detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1012.4272 [hep-ex]].  
[10.1103/PhysRevLett.106.121803](https://doi.org/10.1103/PhysRevLett.106.121803).  
Phys.Rev.Lett. 106 (2011) 121803.

586) [Measurement of the top quark-pair production cross section with ATLAS in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1012.1792 [hep-ex]].  
[10.1140/epjc/s10052-011-1577-6](https://doi.org/10.1140/epjc/s10052-011-1577-6).  
Eur.Phys.J. C71 (2011) 1577.

587) [Measurement of underlying event characteristics using charged particles in  \$pp\$  collisions at  \$\sqrt{s} = 900\$  GeV and 7 TeV with the ATLAS detector.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1012.0791 [hep-ex]].  
[10.1103/PhysRevD.83.112001](https://doi.org/10.1103/PhysRevD.83.112001).  
Phys.Rev. D83 (2011) 112001.

588) [Studies of the performance of the ATLAS detector using cosmic-ray muons.](#)

By ATLAS Collaboration (G. Aad et al.).  
[arXiv:1011.6665 [physics.ins-det]].  
[10.1140/epjc/s10052-011-1593-6](https://doi.org/10.1140/epjc/s10052-011-1593-6).  
Eur.Phys.J. C71 (2011) 1593.

589) [Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at  \$\sqrt{s\_{NN}}=2.77\$  TeV with the ATLAS Detector at the LHC.](#)

By ATLAS Collaboration (Georges Aad et al.).  
[arXiv:1011.6182 [hep-ex]].  
[10.1103/PhysRevLett.105.252303](https://doi.org/10.1103/PhysRevLett.105.252303).  
Phys.Rev.Lett. 105 (2010) 252303.

590) [Measurement of the  \$W \rightarrow \ell \nu\$  and  \$Z/\gamma \rightarrow \ell \ell\$  production cross sections in proton-proton collisions at  \$\sqrt{s} = 7\$  TeV with the ATLAS detector.](#)

By ATLAS Collaboration (G. Aad et al.).  
[arXiv:1010.2130 [hep-ex]].  
[10.1007/JHEP12\(2010\)060](https://doi.org/10.1007/JHEP12(2010)060).  
JHEP 1012 (2010) 060.

591) [Measurement of inclusive jet and dijet cross sections in proton-proton collisions at](#)



[7 TeV centre-of-mass energy with the ATLAS detector.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1009.5908 [hep-ex]].

[10.1140/epjc/s10052-010-1512-2.](#)

Eur.Phys.J. C71 (2011) 1512.

592) [Search for quark contact interactions in dijet angular distributions in  \$pp\$  collisions at  \$\sqrt{s}=7\$  TeV measured with the ATLAS detector.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1009.5069 [hep-ex]].

[10.1016/j.physletb.2010.10.021.](#)

Phys.Lett. B694 (2011) 327-345.

593) [Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1008.2461 [hep-ex]].

[10.1103/PhysRevLett.105.161801.](#)

Phys.Rev.Lett. 105 (2010) 161801.

594) [Readiness of the ATLAS Tile Calorimeter for LHC collisions.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1007.5423 [physics.ins-det]].

[10.1140/epjc/s10052-010-1508-y.](#)

Eur.Phys.J. C70 (2010) 1193-1236.

595) [Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1006.4384 [physics.ins-det]].

[10.1140/epjc/s10052-010-1415-2.](#)

Eur.Phys.J. C70 (2010) 875-916.

596) [Performance of the ATLAS Detector using First Collision Data.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1005.5254 [hep-ex]].

[10.1007/JHEP09\(2010\)056.](#)

JHEP 1009 (2010) 056.

597) [The ATLAS Simulation Infrastructure.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1005.4568 [physics.ins-det]].

[10.1140/epjc/s10052-010-1429-9.](#)

Eur.Phys.J. C70 (2010) 823-874.

598) [The ATLAS Inner Detector commissioning and calibration.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1004.5293 [physics.ins-det]].

[10.1140/epjc/s10052-010-1366-7.](#)

Eur.Phys.J. C70 (2010) 787-821.

599) [Charged-particle multiplicities in  \$pp\$  interactions at  \$\sqrt{s}=900\$  GeV measured with the ATLAS detector at the LHC.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1003.3124 [hep-ex]].

[10.1016/j.physletb.2010.03.064](https://doi.org/10.1016/j.physletb.2010.03.064).

Phys.Lett. B688 (2010) 21-42.

600) [Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:1002.4189 [physics.ins-det]].

[10.1140/epjc/s10052-010-1403-6](https://doi.org/10.1140/epjc/s10052-010-1403-6).

Eur.Phys.J. C70 (2010) 755-785.

601) [The International Large Detector: Letter of Intent.](#)

By Linear Collider ILD Concept Group - Collaboration (Toshinori Abe et al.).

[arXiv:1006.3396 [hep-ex]].

602) [Readiness of the ATLAS Liquid Argon Calorimeter for LHC Collisions.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:0912.2642 [physics.ins-det]].

[10.1140/epjc/s10052-010-1354-y](https://doi.org/10.1140/epjc/s10052-010-1354-y).

Eur.Phys.J. C70 (2010) 723-753.

603) [Triggering on Long-Lived Neutral Particles in the ATLAS Detector.](#)

By ATLAS Collaboration (G. Aad et al.).

604) [Measurement of missing transverse energy.](#)

By ATLAS Collaboration (J. Abdallah et al.).

605) [Expected Performance of the ATLAS Experiment - Detector, Trigger and Physics.](#)

By ATLAS Collaboration (G. Aad et al.).

[arXiv:0901.0512 [hep-ex]].

606) [The ATLAS Experiment at the CERN Large Hadron Collider.](#)

By ATLAS Collaboration (G. Aad et al.).

[10.1088/1748-0221/3/08/S08003](https://doi.org/10.1088/1748-0221/3/08/S08003).

JINST 3 (2008) S08003.

607) [Looking for signatures of the left-right twin higgs model with the ATLAS detector at the LHC.](#)

By S. Ferrag, S. Gonzalez de la Hoz, L. March, E. Ros, M. Rijpstra, M. Vos, M. Vreeswijk.

608) [Study of the ATLAS MDT spectrometer using high energy CERN combined test beam data.](#)

By C. Adorisio et al..

[10.1016/j.nima.2008.09.031](https://doi.org/10.1016/j.nima.2008.09.031).

Nucl.Instrum.Meth. A598 (2009) 400-415.

609) [Search for flavor-changing-neutral-current  \$D\_s\$  meson decays.](#)

By D0 Collaboration (V.M. Abazov et al.).

[arXiv:0708.2094 [hep-ex]].

[10.1103/PhysRevLett.100.101801](https://doi.org/10.1103/PhysRevLett.100.101801).

Phys.Rev.Lett. 100 (2008) 101801.

610) [Search for  \$B\_s \rightarrow \mu^+ \mu^-\$  at D0.](#)

By D0 Collaboration (V.M. Abazov et al.).

[arXiv:0707.3997 [hep-ex]].

[10.1103/PhysRevD.76.092001.](#)

Phys.Rev. D76 (2007) 092001.

611) [Search for the lightest scalar top quark in events with two leptons in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$ -TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[arXiv:0707.2864 [hep-ex]].

[10.1016/j.physletb.2007.11.086.](#)

Phys.Lett. B659 (2008) 500-508.

612) [Measurement of the  \$\Lambda\_b^0\$  lifetime using semileptonic decays.](#)

By D0 Collaboration (V.M. Abazov et al.).

[arXiv:0706.2358 [hep-ex]].

[10.1103/PhysRevLett.99.182001.](#)

Phys.Rev.Lett. 99 (2007) 182001.

613) [Direct observation of the strange  \$b\$  baryon  \$\Xi\_b^-\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[arXiv:0706.1690 [hep-ex]].

[10.1103/PhysRevLett.99.052001.](#)

Phys.Rev.Lett. 99 (2007) 052001.

614) [Measurement of the  \$t\bar{t}\$  production cross-section in  \$p\bar{p}\$  collisions using dilepton events.](#)

By D0 Collaboration (V.M. Abazov et al.).

[arXiv:0706.0458 [hep-ex]].

[10.1103/PhysRevD.76.052006.](#)

Phys.Rev. D76 (2007) 052006.

615) [Observation and Properties of  \$L = 1\$   \$B\_{\{1\}}\$  and  \$B^{\*2}\$  Mesons.](#)

By D0 Collaboration (V.M. Abazov et al.).

[arXiv:0705.3229 [hep-ex]].

[10.1103/PhysRevLett.99.172001.](#)

Phys.Rev.Lett. 99 (2007) 172001.

616) [Measurement of the  \$t\bar{t}\$  production cross section in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$ -TeV using kinematic characteristics of lepton + jets events.](#)

By D0 Collaboration (V.M. Abazov et al.).

[arXiv:0705.2788 [hep-ex]].

[10.1103/PhysRevD.76.092007.](#)

Phys.Rev. D76 (2007) 092007.

617)  [\$Z\gamma\$  production and limits on anomalous  \$ZZ\gamma\$  and  \$Z\gamma\gamma\$  couplings in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$ - TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[arXiv:0705.1550 [hep-ex]].

[10.1016/j.physletb.2007.08.035.](#)

Phys.Lett. B653 (2007) 378-386.

618) [Search for third-generation leptiquarks in  \$p\bar{p}\$  collisions at  \$\sqrt{s} =\$](#)

[1.96-TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[arXiv:0705.0812 [hep-ex]].  
[10.1103/PhysRevLett.99.061801](#).  
Phys.Rev.Lett. 99 (2007) 061801.

619) [Search for stopped gluinos from  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).  
[arXiv:0705.0306 [hep-ex]].  
[10.1103/PhysRevLett.99.131801](#).  
Phys.Rev.Lett. 99 (2007) 131801.

620) [Measurement of the  \$\Lambda\_b\$  lifetime in the exclusive decay  \$\Lambda\_b \rightarrow J/\psi \Lambda\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).  
[arXiv:0704.3909 [hep-ex]].  
[10.1103/PhysRevLett.99.142001](#).  
Phys.Rev.Lett. 99 (2007) 142001.

621) [Search for a Higgs boson produced in association with a  \$Z\$  boson in  \$p\bar{p}\$  collisions.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[arXiv:0704.2000 [hep-ex]].  
[10.1016/j.physletb.2007.08.070](#).  
Phys.Lett. B655 (2007) 209-216.

622) [Measurement of the branching fraction  \$\text{Br}\(B^0\(s\) \rightarrow D\_s^{\(\*\)} D\_s^{\(\*\)}\)\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0702049 [HEP-EX]].  
[10.1103/PhysRevLett.99.241801](#).  
Phys.Rev.Lett. 99 (2007) 241801.

623) [Combined  \$B^0\$  measurements constraining the CP-violating phase and width difference in the  \$B^0\$  system.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0702030 [HEP-EX]].  
[10.1103/PhysRevD.76.057101](#).  
Phys.Rev. D76 (2007) 057101.

624) [Measurement of the shape of the boson rapidity distribution for  \$p\bar{p} \rightarrow Z/\gamma^\* \rightarrow e^+e^- + X\$  events produced at  \$\sqrt{s}\$  of 1.96-TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0702025 [HEP-EX]].  
[10.1103/PhysRevD.76.012003](#).  
Phys.Rev. D76 (2007) 012003.

625) [Measurement of the top quark mass in the lepton + jets channel using the Ideogram method.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0702018 [HEP-EX]].  
[10.1103/PhysRevD.75.092001](#).  
Phys.Rev. D75 (2007) 092001.

- 626) [Search for production of single top quarks via tcg and tug flavor- changing neutral current couplings.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0702005 [HEP-EX], arXiv:0801.2556 [HEP-EX]].  
[10.1103/PhysRevLett.99.191802.](#)  
Phys.Rev.Lett. 99 (2007) 191802.
- 627) [Lifetime difference and CP-violating phase in the  \$B^0\$   \$\{s\}\$  system.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0701012].  
[10.1103/PhysRevLett.98.121801.](#)  
Phys.Rev.Lett. 98 (2007) 121801.
- 628) [Measurement of the charge asymmetry in semileptonic  \$B\_s\$  decays.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0701007].  
[10.1103/PhysRevLett.98.151801.](#)  
Phys.Rev.Lett. 98 (2007) 151801.
- 629) [Evidence for production of single top quarks and first direct measurement of  \$|V\_{tb}|\$ .](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0612052].  
[10.1103/PhysRevLett.98.181802.](#)  
Phys.Rev.Lett. 98 (2007) 181802.
- 630) [Measurement of the  \$p \bar{p} \rightarrow t \bar{t}\$  production cross section at  \$\sqrt{s} = 1.96\$ -TeV in the fully hadronic decay channel..](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0612040].  
[10.1103/PhysRevD.76.072007.](#)  
Phys.Rev. D76 (2007) 072007.
- 631) [Search for techniparticles in e+jets events at D0.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0612013].  
[10.1103/PhysRevLett.98.221801.](#)  
Phys.Rev.Lett. 98 (2007) 221801.
- 632) [Search for single production of scalar leptoquarks in p anti-p collisions decaying into muons and quarks with the D0 detector.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0612012].  
[10.1016/j.physletb.2007.01.064.](#)  
Phys.Lett. B647 (2007) 74-81.
- 633) [Search for the pair production of scalar top quarks in the acoplanar charm jet final state in p anti-p collisions at  \$s^{1/2} = 1.96\$ -TeV.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0611003].  
[10.1016/j.physletb.2006.12.024.](#)  
Phys.Lett. B645 (2007) 119-127.
- 634) [Measurement of the t anti-t production cross section in p anti-p collisions at  \$s^{1/2}\$](#)

[\(1/2\) = 1.96-TeV using secondary vertex b tagging.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0611002].

[10.1103/PhysRevD.74.112004.](#)

Phys.Rev. D74 (2006) 112004.

635) [Measurement of the top quark mass in the dilepton channel.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0609056].

[10.1016/j.physletb.2007.08.074.](#)

Phys.Lett. B655 (2007) 7-14.

636) [Measurement of the top quark mass in the lepton+jets final state with the matrix element method.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0609053].

[10.1103/PhysRevD.74.092005.](#)

Phys.Rev. D74 (2006) 092005.

637) [Measurement of the W boson helicity in top quark decay at D0.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0609045].

[10.1103/PhysRevD.75.031102.](#)

Phys.Rev. D75 (2007) 031102.

638) [Measurement of  \$B\_d\$  mixing using opposite-side flavor tagging.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0609034].

[10.1103/PhysRevD.74.112002.](#)

Phys.Rev. D74 (2006) 112002.

639) [Measurement of the CP-violation parameter of  \$B\_0\$  mixing and decay with  \$p\$  anti- \$p\$   \$\rightarrow \mu \mu X\$  data.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0609014].

[10.1103/PhysRevD.74.092001.](#)

Phys.Rev. D74 (2006) 092001.

640) [Measurement of the ratios of the  \$Z/\gamma^\* + \geq n\$  jet production cross sections to the total inclusive  \$Z/\gamma^\*\$  cross section in  \$p\$  anti- \$p\$  collisions at  \$s^{1/2} = 1.96\$ -TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0608052].

[10.1016/j.physletb.2007.10.046.](#)

Phys.Lett. B658 (2008) 112-119.

641) [Experimental discrimination between charge  \$2e/3\$  top quark and charge  \$4e/3\$  exotic quark production scenarios.](#)

By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0608044].

[10.1103/PhysRevLett.98.041801.](#)

Phys.Rev.Lett. 98 (2007) 041801.

642) [Search for pair production of scalar bottom quarks in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0608013].

[10.1103/PhysRevLett.97.171806](#).

Phys.Rev.Lett. 97 (2006) 171806.

643) [Limits on anomalous trilinear gauge couplings from  \$WW \rightarrow e^+e^-\$ ,  \$WW \rightarrow e^+\mu^-\nu\$ , and  \$WW \rightarrow \mu^+\mu^-\$  events from  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0608011].

[10.1103/PhysRevD.74.059904](#), [10.1103/PhysRevD.74.057101](#).

Phys.Rev. D74 (2006) 057101, Erratum: Phys.Rev. D74 (2006) 059904.

644) [Search for  \$W^{\prime}\$  boson production in the top quark decay channel.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0607102].

[10.1016/j.physletb.2006.09.021](#).

Phys.Lett. B641 (2006) 423-431.

645) [Search for associated Higgs boson production  \$WH \rightarrow WWW^\* \rightarrow \ell\ell^{\prime}\mu\nu\$   \$\ell\ell^{\prime\prime}\nu^{\prime} + X\$  in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0607032].

[10.1103/PhysRevLett.97.151804](#).

Phys.Rev.Lett. 97 (2006) 151804.

646) [Twin-tubes: 3-D tracking based on the ATLAS muon drift tubes.](#)

By M. Woudstra et al..

[10.1016/j.nima.2005.12.221](#).

Nucl.Instrum.Meth. A560 (2006) 264-268.

647) [Search for neutral, long-lived particles decaying into two muons in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0607028].

[10.1103/PhysRevLett.97.161802](#).

Phys.Rev.Lett. 97 (2006) 161802.

648) [Search for the Standard Model Higgs Boson in the  \$p\bar{p} \rightarrow ZH \rightarrow \nu\bar{\nu} b\bar{b}\$  channel.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0607022].

[10.1103/PhysRevLett.97.161803](#).

Phys.Rev.Lett. 97 (2006) 161803.

649) [Search for scalar leptoquarks in the acoplanar jet topology in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0607009].

[10.1016/j.physletb.2006.08.020](#).

Phys.Lett. B640 (2006) 230-237.

- 650) [Search for a heavy resonance decaying into a  \$Z + \text{jet}\$  final state in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$  using the D0 detector.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0606018].  
[10.1103/PhysRevD.74.011104](#).  
Phys.Rev. D74 (2006) 011104.
- 651) [Search for particles decaying into a  \$Z\gamma\$  boson and a photon in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{ TeV}\$ .](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0605064].  
[10.1016/j.physletb.2008.11.032](#), [10.1016/j.physletb.2006.08.079](#).  
Phys.Lett. B641 (2006) 415-422, Erratum: Phys.Lett. B670 (2009) 455-458.
- 652) [Search for resonant second generation slepton production at the Tevatron.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0605010].  
[10.1103/PhysRevLett.97.111801](#).  
Phys.Rev.Lett. 97 (2006) 111801.
- 653) [Search for neutral Higgs bosons decaying to  \$\tau\$  pairs in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0605009].  
[10.1103/PhysRevLett.97.121802](#).  
Phys.Rev.Lett. 97 (2006) 121802.
- 654) [Search for R-parity violating supersymmetry via the LL anti-E couplings  \$\lambda\_{121}\$ ,  \$\lambda\_{122}\$  or  \$\lambda\_{133}\$  in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0605005].  
[10.1016/j.physletb.2006.05.077](#).  
Phys.Lett. B638 (2006) 441-449.
- 655) [A Precise measurement of the  \$B^0\$  lifetime.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0604046].  
[10.1103/PhysRevLett.97.241801](#).  
Phys.Rev.Lett. 97 (2006) 241801.
- 656) [Search for excited muons in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{- TeV}\$ .](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0604040].  
[10.1103/PhysRevD.73.111102](#).  
Phys.Rev. D73 (2006) 111102.
- 657) [Search for squarks and gluinos in events with jets and missing transverse energy in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0604029].  
[10.1016/j.physletb.2006.05.030](#).



Phys.Lett. B638 (2006) 119-127.

658) [Multivariate searches for single top quark production with the D0 detector.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0604020].

[10.1103/PhysRevD.75.092007.](#)

Phys.Rev. D75 (2007) 092007.

659) [Search for the rare decay  \$B^0 \rightarrow \rho^+ \mu^+ \mu^-\$  with the D0 detector.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0604015].

[10.1103/PhysRevD.74.031107.](#)

Phys.Rev. D74 (2006) 031107.

660) [First direct two-sided bound on the  \$B^0 \rightarrow \rho^0\$  oscillation frequency.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0603029].

[10.1103/PhysRevLett.97.021802.](#)

Phys.Rev.Lett. 97 (2006) 021802.

661) [Measurement of  \$B\(B \rightarrow Wb\) / B\(B \rightarrow Wq\)\$  at  \$\sqrt{s} = 1.96\$ -TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0603002].

[10.1016/j.physletb.2006.07.019.](#)

Phys.Lett. B639 (2006) 616-622.

662) [Search for pair production of second generation scalar leptoquarks in p anti-p collisions at  \$\sqrt{s} = 1.96\$ -TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0601047].

[10.1016/j.physletb.2006.03.056.](#)

Phys.Lett. B636 (2006) 183-190.

663) [Measurement of the isolated photon cross section in  \$p \bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$ -TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0511054].

[10.1016/j.physletb.2007.06.047](#), [10.1016/j.physletb.2006.04.048.](#)

Phys.Lett. B639 (2006) 151-158, Erratum: Phys.Lett. B658 (2008) 285-289.

664) [Search for the Higgs boson in  \$H \rightarrow WW^{\(\*\)}\$  decays in  \$p \bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$ -TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0508054].

[10.1103/PhysRevLett.96.011801.](#)

Phys.Rev.Lett. 96 (2006) 011801.

665) [The Upgraded D0 detector.](#)

By D0 Collaboration (V.M. Abazov et al.).

[physics/0507191 [physics.ins-det]].

[10.1016/j.nima.2006.05.248.](#)

Nucl.Instrum.Meth. A565 (2006) 463-537.

- 666) [Measurement of the lifetime difference in the B0\(s\) system.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0507084].  
[10.1103/PhysRevLett.95.171801](https://doi.org/10.1103/PhysRevLett.95.171801).  
Phys.Rev.Lett. 95 (2005) 171801.
- 667) [Measurement of semileptonic branching fractions of B mesons to narrow D<sup>\\*</sup> states.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0507046].  
[10.1103/PhysRevLett.95.171803](https://doi.org/10.1103/PhysRevLett.95.171803).  
Phys.Rev.Lett. 95 (2005) 171803.
- 668) [Search for large extra spatial dimensions in dimuon production at D0.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0506063].  
[10.1103/PhysRevLett.95.161602](https://doi.org/10.1103/PhysRevLett.95.161602).  
Phys.Rev.Lett. 95 (2005) 161602.
- 669) [Measurement of the  \$t\bar{t}\$  production cross section in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$ -TeV in dilepton final states.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0505082].  
[10.1016/j.physletb.2005.08.105](https://doi.org/10.1016/j.physletb.2005.08.105).  
Phys.Lett. B626 (2005) 55-64.
- 670) [Search for single top quark production in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$ -TeV.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0505063].  
[10.1016/j.physletb.2005.07.027](https://doi.org/10.1016/j.physletb.2005.07.027).  
Phys.Lett. B622 (2005) 265-276.
- 671) [Search for right-handed W bosons in top quark decay.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0505031].  
[10.1103/PhysRevD.72.011104](https://doi.org/10.1103/PhysRevD.72.011104).  
Phys.Rev. D72 (2005) 011104.
- 672) [Search for Randall-Sundrum gravitons in dilepton and diphoton final states.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0505018].  
[10.1103/PhysRevLett.95.091801](https://doi.org/10.1103/PhysRevLett.95.091801).  
Phys.Rev.Lett. 95 (2005) 091801.
- 673) [Measurement of the  \$t\bar{t}\$  production cross section in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$ -TeV using lepton + jets events with lifetime  \$b^{\wedge}\$ -tagging.](#)  
By D0 Collaboration (V.M. Abazov et al.).  
[hep-ex/0504058].  
[10.1016/j.physletb.2005.08.103](https://doi.org/10.1016/j.physletb.2005.08.103).  
Phys.Lett. B626 (2005) 35-44.
- 674) [Measurement of the  \$t\bar{t}\$  production cross section in  \$p\bar{p}\$  collisions](#)

[at  \$\sqrt{s} = 1.96 = \text{TeV}\$  using kinematic characteristics of lepton + jets events.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0504043].

[10.1016/j.physletb.2005.08.104.](#)

Phys.Lett. B626 (2005) 45-54.

675) [Search for supersymmetry via associated production of charginos and neutralinos in final states with three leptons.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0504032].

[10.1103/PhysRevLett.95.151805.](#)

Phys.Rev.Lett. 95 (2005) 151805.

676) [Production of WZ events in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$  and limits on anomalous WWZ couplings.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0504019].

[10.1103/PhysRevLett.95.141802.](#)

Phys.Rev.Lett. 95 (2005) 141802.

677) [Search for neutral supersymmetric Higgs bosons in multijet events at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0504018].

[10.1103/PhysRevLett.95.151801.](#)

Phys.Rev.Lett. 95 (2005) 151801.

678) [Measurement of the  \$p\bar{p} \rightarrow W\gamma + X\$  cross section at  \$\sqrt{s} = 1.96\text{-TeV}\$  and  \$WW\gamma\$  anomalous coupling limits.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0503048].

[10.1103/PhysRevD.71.091108.](#)

Phys.Rev. D71 (2005) 091108.

679) [Study of  \$Z\gamma\$  events and limits on anomalous  \$ZZ\gamma\$  and  \$Z\gamma\gamma\$  couplings in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0502036].

[10.1103/PhysRevLett.95.051802.](#)

Phys.Rev.Lett. 95 (2005) 051802.

680) [Measurement of inclusive differential cross sections for  \$\epsilon\_{1S}\$  production in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0502030].

[10.1103/PhysRevLett.94.232001](#), [10.1103/PhysRevLett.100.049902.](#)

Phys.Rev.Lett. 94 (2005) 232001, Erratum: Phys.Rev.Lett. 100 (2008) 049902.

681) [Search for first-generation scalar leptoquarks in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\text{-TeV}\$ .](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0412029].

[10.1103/PhysRevD.71.071104.](#)

Phys.Rev. D71 (2005) 071104.

682) [First measurement of  \$\sigma\(\bar{p} \rightarrow Z^0\)\$  . Br \( \$Z \rightarrow \tau \tau^0\$ \) at  \$\sqrt{s} = 1.96\$ - TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0412020].

[10.1103/PhysRevD.77.039901](#), [10.1103/PhysRevD.71.072004](#).

Phys.Rev. D71 (2005) 072004, Erratum: Phys.Rev. D77 (2008) 039901.

683) [A Search for anomalous heavy-flavor quark production in association with  \$W\$  bosons.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0411084].

[10.1103/PhysRevLett.94.152002](#).

Phys.Rev.Lett. 94 (2005) 152002.

684) [A measurement of the ratio of inclusive cross sections  \$\sigma\(p \rightarrow Z + b\text{-jet}\)/\sigma\(p \rightarrow Z + \text{jet}\)\$  at  \$\sqrt{s} = 1.96\$  TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0410078].

[10.1103/PhysRevLett.94.161801](#).

Phys.Rev.Lett. 94 (2005) 161801.

685) [Measurement of the  \$W W\$  production cross section in  \$\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$  TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0410066].

[10.1103/PhysRevLett.94.151801](#), [10.1103/PhysRevLett.100.139901](#).

Phys.Rev.Lett. 94 (2005) 151801, Erratum: Phys.Rev.Lett. 100 (2008) 139901.

686) [A search for  \$W b\bar{b}\$  and  \$W H\$  production in  \$\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$  TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0410062].

[10.1103/PhysRevLett.94.091802](#).

Phys.Rev.Lett. 94 (2005) 091802.

687) [Measurement of the  \$\Lambda\_b^0\$  lifetime in the decay  \$\Lambda\_b^0 \rightarrow J/\psi \Lambda\_b^0\$  with the D0 detector.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0410054].

[10.1103/PhysRevLett.94.102001](#).

Phys.Rev.Lett. 94 (2005) 102001.

688) [Measurement of the ratio of  \$B^+ B^0\$  meson lifetimes.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0410052].

[10.1103/PhysRevLett.94.182001](#).

Phys.Rev.Lett. 94 (2005) 182001.

689) [A search for the flavor-changing neutral current decay  \$B\_s^0 \rightarrow \mu^+ \mu^-\$  in  \$\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$  TeV with the D0 detector.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0410039].

[10.1103/PhysRevLett.94.071802](#).

Phys.Rev.Lett. 94 (2005) 071802.

690) [Measurement of the  \$B\_s^0\$  lifetime in the exclusive decay channel  \$B\_s^0 \rightarrow J/\psi \phi\$](#) .

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0409043].

[10.1103/PhysRevLett.94.042001](#).

Phys.Rev.Lett. 94 (2005) 042001.

691) [Measurement of dijet azimuthal decorrelations at central rapidities in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$  TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0409040].

[10.1103/PhysRevLett.94.221801](#).

Phys.Rev.Lett. 94 (2005) 221801.

692) [NIKHEF - National Institute for Nuclear Physics and High-Energy Physics, Amsterdam. Annual report 2003.](#)

By L. Lapikas, M. Vreeswijk, A.P. Colijn.

Amsterdam NIKHEF - (04,rec.Sep.) 1 CD, 119 p.

693) [Search for supersymmetry with gauge-mediated breaking in diphoton events at D0.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0408146].

[10.1103/PhysRevLett.94.041801](#).

Phys.Rev.Lett. 94 (2005) 041801.

694) [Observation and properties of the  \$X\(3872\)\$  decaying to  \$J/\psi \pi^+ \pi^-\$  in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$  TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0405004].

[10.1103/PhysRevLett.93.162002](#).

Phys.Rev.Lett. 93 (2004) 162002.

695) [Search for doubly-charged Higgs boson pair production in the decay to  \$\mu^+ \mu^- \mu^+ \mu^-\$  in  \$p\bar{p}\$  collisions at  \$\sqrt{s} = 1.96\$  TeV.](#)

By D0 Collaboration (V.M. Abazov et al.).

[hep-ex/0404015].

[10.1103/PhysRevLett.93.141801](#).

Phys.Rev.Lett. 93 (2004) 141801.

696) [NIKHEF - National Institute for Nuclear Physics and High-Energy Physics, Amsterdam. Annual report 2002.](#)

By L. Lapikas, M. Vreeswijk.

Amsterdam NIKHEF - (03,rec.Nov.) 1 CD, 113 p.

697) [NIKHEF - National Institute for Nuclear Physics and High-Energy Physics, Amsterdam. Annual report 2001.](#)

By L. Lapikas, M. Vreeswijk.

Amsterdam NIKHEF - (rec.Aug.02) 1 CD.

698) [ATLAS: Detector and physics performance technical design report. Volume 2.](#)  
By ATLAS Collaboration (A. Airapetian et al.).

699) [ATLAS: Detector and physics performance technical design report. Volume 1.](#)  
By ATLAS Collaboration (A. Airapetian et al.).

700) [Measurement of W pair production in e+ e- collisions at 183-GeV.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[hep-ex/9903053].  
[10.1016/S0370-2693\(99\)00304-4.](#)  
Phys.Lett. B453 (1999) 107-120.

701) [Study of fermion pair production in  \$e^+e^-\$  collisions at 130-GeV to 183-GeV.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[hep-ex/9904011].  
[10.1007/s100529900223.](#)  
Eur.Phys.J. C12 (2000) 183-207.

702) [Search for charginos and neutralinos in  \$e^+e^-\$  collisions at center-of-mass energies near 183-GeV and constraints on the MSSM parameter space.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[10.1007/s100520050627.](#)  
Eur.Phys.J. C11 (1999) 193-216.

703) [Search for charged Higgs bosons in  \$e^+e^-\$  collisions at  \$\sqrt{s} = 181\text{-GeV} - 184\text{-GeV}\$ .](#)  
By ALEPH Collaboration (R. Barate et al.).  
[hep-ex/9902031].  
[10.1016/S0370-2693\(99\)00149-5.](#)  
Phys.Lett. B450 (1999) 467.

704) [Measurement of the  \$W\$  mass in  \$e^+e^-\$  collisions at 183-GeV.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[10.1016/S0370-2693\(99\)00305-6.](#)  
Phys.Lett. B453 (1999) 121-137.

705) [Search for invisible Higgs boson decays in e+ e- collisions at center-of-mass energies up to 184-GeV.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[10.1016/S0370-2693\(99\)00117-3.](#)  
Phys.Lett. B450 (1999) 301-312.

706) [Measurement of triple gauge W W gamma couplings at LEP-2 using photonic events.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[hep-ex/9901030].  
[10.1016/S0370-2693\(98\)01475-0.](#)  
Phys.Lett. B445 (1998) 239.

707) [Search for supersymmetry with a dominant R-parity violating LQ  \$\bar{D}\$  coupling in  \$e^+e^-\$  collisions at center-of-mass energies of 130-GeV to 172-GeV.](#)

By ALEPH Collaboration (R. Barate et al.).  
[hep-ex/9811033].  
[10.1007/s100529901086](https://arxiv.org/abs/10.1007/s100529901086).  
Eur.Phys.J. C7 (1999) 383-405.

708) [Searches for the neutral Higgs bosons of the MSSM in  \$e^+e^-\$  collisions at center-of-mass energies of 181-GeV to 184-GeV.](#)

By ALEPH Collaboration (R. Barate et al.).  
[10.1016/S0370-2693\(98\)01240-4](https://arxiv.org/abs/10.1016/S0370-2693(98)01240-4), [10.1016/S0370-2693\(98\)01497-X](https://arxiv.org/abs/10.1016/S0370-2693(98)01497-X).  
Phys.Lett. B440 (1998) 419-434, Erratum: Phys.Lett. B447 (1999) 355-355.

709) [Search for the standard model Higgs boson at the LEP-2 collider near  \$S^{\*\*}\(1/2\) = 183\text{-GeV}\$ .](#)

By ALEPH Collaboration (R. Barate et al.).  
[hep-ex/9811032].  
[10.1016/S0370-2693\(98\)01239-8](https://arxiv.org/abs/10.1016/S0370-2693(98)01239-8), [10.1016/S0370-2693\(98\)01506-8](https://arxiv.org/abs/10.1016/S0370-2693(98)01506-8).  
Phys.Lett. B440 (1998) 403-418, Phys.Lett. B447 (1999) 336-351.

710) [Search for sleptons in  \$e^+e^-\$  collisions at center-of-mass energies up to 184-GeV.](#)

By ALEPH Collaboration (R. Barate et al.).  
[10.1016/S0370-2693\(98\)00690-X](https://arxiv.org/abs/10.1016/S0370-2693(98)00690-X).  
Phys.Lett. B433 (1998) 176-194.

711) [Scalar quark searches in  \$e^+e^-\$  collisions at  \$S^{\(1/2\)} = 181\text{-GeV} - 184\text{-GeV}\$ .](#)

By ALEPH Collaboration (R. Barate et al.).  
[hep-ex/9810028].  
[10.1016/S0370-2693\(98\)00662-5](https://arxiv.org/abs/10.1016/S0370-2693(98)00662-5).  
Phys.Lett. B434 (1998) 189-199.

712) [Single photon and multiphoton production in  \$e^+e^-\$  collisions at a center-of-mass energy of 183-GeV.](#)

By ALEPH Collaboration (R. Barate et al.).  
[10.1016/S0370-2693\(98\)00468-7](https://arxiv.org/abs/10.1016/S0370-2693(98)00468-7).  
Phys.Lett. B429 (1998) 201-214.

713) [Mu-Track Reconstruction in DATCHA.](#)

By H. Dietl, V. Goriatchev, P. Hendriks, Frank L Linde, G. Massaro, G.D. Stavropoulos, M. Vreeswijk, M. Woudstra.

714) [First system performance experience with the ATLAS high precision muon drift tube chambers.](#)

By H. van der Graaf, P. Hendriks, M. Woudstra, F. Linde, G. Stavropoulos, M. Vreeswijk, H. Dietl.  
[10.1016/S0168-9002\(98\)00881-X](https://arxiv.org/abs/10.1016/S0168-9002(98)00881-X).  
Nucl.Instrum.Meth. A419 (1998) 336-341.

715) [Elastic and proton dissociative  \$\rho^0\$  photoproduction at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).  
[hep-ex/9712020].  
[10.1007/s100520050136](https://arxiv.org/abs/10.1007/s100520050136).  
Eur.Phys.J. C2 (1998) 247-267.

- 716) [Search for supersymmetry with a dominant R-parity violating L L anti-E coupling in e+ e- collisions at center-of-mass energies of 130-GeV to 172-GeV.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[hep-ex/9712013].  
[10.1007/s100520050218](https://arxiv.org/abs/10.1007/s100520050218).  
Eur.Phys.J. C4 (1998) 433-451.
- 717) [Measurement of triple gauge boson couplings at 172-GeV.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[10.1016/S0370-2693\(98\)00061-6](https://arxiv.org/abs/10.1016/S0370-2693(98)00061-6).  
Phys.Lett. B422 (1998) 369-383.
- 718) [Measurement of the  \$W\$  mass by direct reconstruction in  \$e^+ e^-\$  collisions at 172-GeV.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[10.1016/S0370-2693\(98\)00062-8](https://arxiv.org/abs/10.1016/S0370-2693(98)00062-8).  
Phys.Lett. B422 (1998) 384-398.
- 719) [Four jet final state production in e+ e- collisions at center-of-mass energies ranging from 130-GeV to 184-GeV.](#)  
By ALEPH Collaboration (R. Barate et al.).  
[10.1016/S0370-2693\(97\)01596-7](https://arxiv.org/abs/10.1016/S0370-2693(97)01596-7).  
Phys.Lett. B420 (1998) 196-204.
- 720) [Charged particles and neutral kaons in photoproduced jets at HERA.](#)  
By ZEUS Collaboration (J. Breitweg et al.).  
[hep-ex/9711018].  
[10.1007/s100520050125](https://arxiv.org/abs/10.1007/s100520050125).  
Eur.Phys.J. C2 (1998) 77-93.
- 721) [Measurement of the  \$t\$  distribution in diffractive photoproduction at HERA.](#)  
By ZEUS Collaboration (J. Breitweg et al.).  
[hep-ex/9712019].  
[10.1007/s100520050135](https://arxiv.org/abs/10.1007/s100520050135).  
Eur.Phys.J. C2 (1998) 237-246.
- 722) [Event shape analysis of deep inelastic scattering events with a large rapidity gap at HERA.](#)  
By ZEUS Collaboration (J. Breitweg et al.).  
[hep-ex/9710027].  
[10.1016/S0370-2693\(97\)01539-6](https://arxiv.org/abs/10.1016/S0370-2693(97)01539-6).  
Phys.Lett. B421 (1998) 368-384.
- 723) [Dijet cross-sections in photoproduction at HERA.](#)  
By ZEUS Collaboration (J. Breitweg et al.).  
[hep-ex/9710018].  
[10.1007/s100520050065](https://arxiv.org/abs/10.1007/s100520050065).  
Eur.Phys.J. C1 (1998) 109-122.
- 724) [Measurement of jet shapes in photoproduction at HERA.](#)  
By ZEUS Collaboration (J. Breitweg et al.).  
[hep-ex/9710002].  
[10.1007/s100520050124](https://arxiv.org/abs/10.1007/s100520050124).



Eur.Phys.J. C2 (1998) 61-75.

725) [Measurement of the diffractive structure function  \$F\_2\(D\(4\)\)\$  at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9709021].

[10.1007/s100520050063.](#)

Eur.Phys.J. C1 (1998) 81-96.

726) [Observation of scaling violations in scaled momentum distributions at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9710011].

[10.1016/S0370-2693\(97\)01194-5.](#)

Phys.Lett. B414 (1997) 428-443.

727) [Measurement of inelastic  \$J/\psi\$  photoproduction at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9708010].

[10.1007/s002880050583.](#)

Z.Phys. C76 (1997) 599-612.

728) [Measurement of the proton structure function  \$F\_2\$  and  \$\sigma\_{\text{tot}}\(\gamma^\* p\)\$  at low  \$q^2\$  and very low  \$x\$  at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9707025].

[10.1016/S0370-2693\(97\)00905-2.](#)

Phys.Lett. B407 (1997) 432-448.

729) [Observation of isolated high  \$E\(\gamma\)\$  photons in photoproduction at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9708038].

[10.1016/S0370-2693\(97\)01164-7.](#)

Phys.Lett. B413 (1997) 201-216.

730) [A Search for excited fermions in  \$e^+p\$  collisions at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9708007].

[10.1007/s002880050585.](#)

Z.Phys. C76 (1997) 631-646.

731)  [\$D^\*\$  production in deep inelastic scattering at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9706009].

[10.1016/S0370-2693\(97\)00847-2.](#)

Phys.Lett. B407 (1997) 402-418.

732) [Measurement of elastic  \$J/\psi\$  photoproduction at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9704013].

[10.1007/s002880050464.](#)

Z.Phys. C75 (1997) 215-228.

733) [Study of photon dissociation in diffractive photoproduction at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9704008].

[10.1007/s002880050485](https://doi.org/10.1007/s002880050485).

Z.Phys. C75 (1997) 421-435.

734) [Comparison of ZEUS data with standard model predictions for  \$e^+p \rightarrow e^+X\$  scattering at high x and  \$Q^2\$ .](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9702015].

[10.1007/s002880050384](https://doi.org/10.1007/s002880050384).

Z.Phys. C74 (1997) 207-220.

735) [Differential cross-sections of  \$D^{\*+}\$  photoproduction in e p collisions at HERA.](#)

By ZEUS Collaboration (J. Breitweg et al.).

[hep-ex/9704011].

[10.1016/S0370-2693\(97\)00422-X](https://doi.org/10.1016/S0370-2693(97)00422-X).

Phys.Lett. B401 (1997) 192-206.

736) [ATLAS calorimeter performance Technical Design Report.](#)

By ATLAS Collaboration (A. Airapetian et al.).

737) [ATLAS computing technical proposal.](#)

By ATLAS Collaboration (A. Airapetian et al.).

738) [Measurement of the structure function  \$F\_2\$  and the gluon density of the proton.](#)

By Marcel Vreeswijk.

739) [Search for lepton flavor violation in  \$e p\$  collisions at 300-GeV center-of-mass energy.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9704018].

[10.1007/s002880050352](https://doi.org/10.1007/s002880050352).

Z.Phys. C73 (1997) 613-628.

740) [Measurement of elastic omega photoproduction at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9608010].

[10.1007/s002880050297](https://doi.org/10.1007/s002880050297).

Z.Phys. C73 (1996) 73-84.

741) [Study of elastic  \$\rho^0\$  photoproduction at HERA using the ZEUS leading proton spectrometer.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9609003].

[10.1007/s002880050314](https://doi.org/10.1007/s002880050314).

Z.Phys. C73 (1997) 253-268.

742) [The Presampler for the forward and rear calorimeter in the ZEUS detector.](#)

By ZEUS Presampler Group Collaboration (A. Bamberger et al.).

[hep-ex/9609006].

[10.1016/S0168-9002\(96\)00776-0](https://doi.org/10.1016/S0168-9002(96)00776-0).

Nucl.Instrum.Meth. A382 (1996) 419-429, ICFA Instrum.Bull. 1996 (1996) F18-F37.

743) [Measurement of the  \$F\_2\$  structure function in deep inelastic  \$e^+ p\$  scattering using](#)

[1994 data from the ZEUS detector at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9607002].

[10.1007/s002880050260](#), [10.1007/BF02909169](#).

Z.Phys. C72 (1996) 399-424.

744) [Study of charged current  \$e p\$  interactions at  \$Q^2 > 200\text{-GeV}^2\$  with the ZEUS detector at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9606014].

[10.1007/s002880050222](#).

Z.Phys. C72 (1996) 47-64.

745) [Dijet angular distributions in direct and resolved photoproduction at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9605009].

[10.1016/0370-2693\(96\)00931-8](#).

Phys.Lett. B384 (1996) 401-413.

746) [Observation of events with an energetic forward neutron in deep inelastic scattering at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9606006].

[10.1016/0370-2693\(96\)00688-0](#).

Phys.Lett. B384 (1996) 388-400.

747) [Measurement of the reaction  \$\gamma^\* p \rightarrow \phi p\$  in deep inelastic  \$e^+ p\$  scattering at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9604008].

[10.1016/0370-2693\(96\)00603-X](#).

Phys.Lett. B380 (1996) 220-234.

748) [Measurement of the diffractive cross-section in deep inelastic scattering.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9602010].

[10.1007/s002880050118](#).

Z.Phys. C70 (1996) 391-412.

749) [Measurement of elastic  \$\phi\$  photoproduction at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9601009].

[10.1016/0370-2693\(96\)00172-4](#).

Phys.Lett. B377 (1996) 259-272.

750) [Inclusive charged particle distributions in deep inelastic scattering events at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[hep-ex/9511010].

[10.1007/s002880050075](#).

Z.Phys. C70 (1996) 1-16.

751) [Rapidity gaps between jets in photoproduction at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9510012].  
[10.1016/0370-2693\(95\)01588-4](https://arxiv.org/abs/10.1016/0370-2693(95)01588-4).  
Phys.Lett. B369 (1996) 55-68.

752) [Measurement of the proton structure function F2 at low x and low q\\*\\*2 at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9510009].  
[10.1007/s002880050064](https://arxiv.org/abs/10.1007/s002880050064).  
Z.Phys. C69 (1996) 607-620.

753) [Measurement of alpha-s from jet rates in deep inelastic scattering at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9510001].  
[10.1016/0370-2693\(95\)01284-W](https://arxiv.org/abs/10.1016/0370-2693(95)01284-W).  
Phys.Lett. B363 (1995) 201-216.

754) [Measurement of elastic  \$\rho^0\$  photoproduction at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9507011].  
[10.1007/s002880050004](https://arxiv.org/abs/10.1007/s002880050004).  
Z.Phys. C69 (1995) 39-54.

755) [Exclusive  \$\rho^0\$  production in deep inelastic electron - proton scattering at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9507001].  
[10.1016/0370-2693\(95\)00879-P](https://arxiv.org/abs/10.1016/0370-2693(95)00879-P).  
Phys.Lett. B356 (1995) 601-616.

756) [Diffractive hard photoproduction at HERA and evidence for the gluon content of the pomeron.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9506009].  
[10.1016/0370-2693\(95\)00803-S](https://arxiv.org/abs/10.1016/0370-2693(95)00803-S).  
Phys.Lett. B356 (1995) 129-146.

757) [Measurement of the diffractive structure function in deep elastic scattering at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9505010].  
[10.1007/BF01565257](https://arxiv.org/abs/10.1007/BF01565257).  
Z.Phys. C68 (1995) 569-584.

758) [A QCD analysis of the ZEUS 1993 structure function F2 data.](#)  
By ZEUS Collaboration (M. Vreeswijk for the collaboration).  
In \*Paris 1995, Deep inelastic scattering and QCD\* 249-252.

759) [Neutral strange particle production in deep inelastic scattering at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9505011].  
[10.1007/BF01579802](https://arxiv.org/abs/10.1007/BF01579802).  
Z.Phys. C68 (1995) 29-42.

760) [Measurement of charged and neutral current e- p deep inelastic scattering cross-sections at high Q\\*\\*2.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9503016].

[10.1103/PhysRevLett.75.1006.](#)

Phys.Rev.Lett. 75 (1995) 1006-1011.

761) [Measurement of the cross-section for the reaction  \$\gamma p \rightarrow J/\psi p\$  with the ZEUS detector at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9503015].

[10.1016/0370-2693\(95\)00403-8.](#)

Phys.Lett. B350 (1995) 120-134.

762) [Dijet cross-sections in photoproduction at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9502008].

[10.1016/0370-2693\(95\)00275-P.](#)

Phys.Lett. B348 (1995) 665-680.

763) [Jet production in high Q\\*\\*2 deep inelastic e p scattering at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9502003].

[10.1007/BF01564823.](#)

Z.Phys. C67 (1995) 81-92.

764) [Study of D\\*+- \(2010\) production in e p collisions at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9502002].

[10.1016/0370-2693\(95\)00253-H.](#)

Phys.Lett. B349 (1995) 225-237.

765) [Measurement of multiplicity and momentum spectra in the current fragmentation region of the Breit frame at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9501012].

[10.1007/BF01564824.](#)

Z.Phys. C67 (1995) 93-108.

766) [Study of the photon remnant in resolved photoproduction at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9505001].

[10.1016/0370-2693\(95\)00650-A.](#)

Phys.Lett. B354 (1995) 163-177.

767) [Inclusive transverse momentum distributions of charged particles in diffractive and nondiffractive photoproduction at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9503014].

[10.1007/BF01571283.](#)

Z.Phys. C67 (1995) 227-238.

- 768) [Cross-section measurement of the process  \$e p \rightarrow e p J / \psi\$  at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 18 p.
- 769) [Observation of  \$D^\*\$  production in  \$e p\$  collisions at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 18 p.
- 770) [Two jet production in deep inelastic scattering neutral current events at HERA and search for a resolved photon contribution.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 22 p.
- 771) [Multi - jet production in deep inelastic  \$e p\$  scattering at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 23 p.
- 772) [Measurement of two jet cross-sections in photoproduction at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 21 p.
- 773) [Measurement of the elastic  \$\rho^0\$  photoproduction cross-section at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 24 p.
- 774) [Observation of photoproduction of  \$\Phi\$  mesons at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 14 p.
- 775) [Initial study of leading neutrons in  \$e p\$  collisions at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 17 p.
- 776) [Study of neutral strange particle production in deep inelastic scattering at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 17 p.
- 777) [First measurements with the ZEUS leading proton spectrometer.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 19 p.
- 778) [Properties and cross-section of diffractive events produced in deep inelastic  \$e p\$  scattering at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 34 p.
- 779) [Observation of vector meson production in electron proton DIS at HERA.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
Preprint - Derrick, M. (94/07,rec.Aug.) 23 p.
- 780) [Search for leptoquarks in  \$e p\$  collisions at  \$s^{1/2} = 296\$ -GeV.](#)  
By ZEUS Collaboration (M. Derrick et al.).  
In \*Tahoe City 1994, Beyond the standard model 4\* 528-531.

781) [Observation of hard scattering in photoproduction events with a large rapidity gap at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).  
[hep-ex/9501011].

[10.1016/0370-2693\(95\)00022-D.](#)

Phys.Lett. B346 (1995) 399-414.

782) [Inclusive jet differential cross-sections in photoproduction at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(94\)01510-J.](#)

Phys.Lett. B342 (1995) 417-432.

783) [A Search for excited fermions in electron - proton collisions at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1007/BF01578671.](#)

Z.Phys. C65 (1995) 627-648.

784) [Extraction of the gluon density of the proton at small x.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(95\)00021-C.](#)

Phys.Lett. B345 (1995) 576-588.

785) [Measurement of the proton structure function F2 from the 1993 HERA data.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1007/BF01556128.](#)

Z.Phys. C65 (1995) 379-398.

786) [Comparison of energy flows in deep inelastic scattering events with and without a large rapidity gap.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(94\)90804-4.](#)

Phys.Lett. B338 (1994) 483-496.

787) [Observation of jet production in deep inelastic scattering with a large rapidity gap at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(94\)90883-4.](#)

Phys.Lett. B332 (1994) 228-243.

788) [Measurement of total and partial photon proton cross-sections at 180-GeV center-of-mass energy.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1007/BF01580320.](#)

Z.Phys. C63 (1994) 391-408.

789) [Search for leptoquarks in e p collisions at  \$s^{\*\*}\(1/2\) = 296\$ -GeV.](#)

By ZEUS Collaboration (M. Derrick et al.).

790) [Observation of direct processes in photoproduction at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(94\)91121-5.](#)

Phys.Lett. B322 (1994) 287-300.

791) [Measurement of the proton structure function F2 in e p scattering at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(93\)90347-K](https://doi.org/10.1016/0370-2693(93)90347-K).

Phys.Lett. B316 (1993) 412-426.

792) [Observation of events with a large rapidity gap in deep inelastic scattering at HERA.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(93\)91645-4](https://doi.org/10.1016/0370-2693(93)91645-4).

Phys.Lett. B315 (1993) 481-493.

793) [A Prototype presampler for the uranium scintillator calorimeter in ZEUS.](#)

By H. Grabosch et al..

794) [Search for excited electrons using the ZEUS detector.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(93\)90680-G](https://doi.org/10.1016/0370-2693(93)90680-G).

Phys.Lett. B316 (1993) 207-218.

795) [Hadronic energy distributions in deep inelastic electron - proton scattering.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1007/BF01566687](https://doi.org/10.1007/BF01566687).

Z.Phys. C59 (1993) 231-242.

796) [Search for leptoquarks with the ZEUS detector.](#)

By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(93\)91155-G](https://doi.org/10.1016/0370-2693(93)91155-G).

Phys.Lett. B306 (1993) 173-186.

797) [Observation of two jet production in deep inelastic scattering at HERA.](#)


By ZEUS Collaboration (M. Derrick et al.).

[10.1016/0370-2693\(93\)91154-F](https://doi.org/10.1016/0370-2693(93)91154-F).

Phys.Lett. B306 (1993) 158-172.

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