

1 Publications

1.1 Physics at the TeV scale: ATLAS

2000

Aleksandrov, I. et al.; Hart, R.
Performance and scalability of the back-end sub-system in the ATLAS DAQ/EF prototype
IEEE Trans. Nucl. Sci. **47** (2000) 244-249

Ropotar, I. et al.; Buis, E.J.; Eijk, B. van
The LHC1 pixel detector studied in a 120 GeV/c pion test beam
Nucl. Instr. Meth. **A439** (2000) 536-546

2001

Burckhart, H.; Hart, R.; Jones, V.; Khomoutnikov, V.; Ryabov, Y.
Communication between Trigger/DAQ and DCS in ATLAS
Proc. Int. Conf. on Computing in High Energy and Nuclear Physics, Ed. H.S. Chen, Beijing, China, 3-7 Sept. 2001, p. 109

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Adam, W. et al.; Eijk, B. van; Hartjes, F.; Noomen, J.; RD42 collaboration
Radiation tolerance of CVD diamond detectors for pions and protons
Nucl. Instr. Meth. **A476** (2002) 686-693

Performance of irradiated CVD diamond micro-strip sensors
Nucl. Instr. Meth. **A476** (2002) 706-712

Blair, R. et al.; Boterenbrood, H.; Jansweijer, P.; Kieft, G.; Scholte, R.; Slopsema, R.; Vermeulen, J.
The ATLAS Level-2 Trigger Pilot Project
IEEE Trans. Nucl. Sci. **49** (2002) 851-857

Dolbnya, I.P. et al.; Hartjes, F.G.; Udo, F.
A fast position sensitive microstrip-gas-chamber detector at high count rate operation
Rev. Sci. Instrum. **73** (2002) 3754-3758

Gschwendtner, E. et al.; Hessey, N.
Benchmarking the particle background in the large hadron collider experiments
Nucl. Instr. Meth. **A482** (2002) 573-580

Gschwendtner, E. et al.; Fabjan, C.W.; Hessey, N.
Measuring the photon background in the LHC experimental environment
Nucl. Instr. Meth. **A476** (2002) 222-224

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Bentvelsen, S. (ed.); de Jong, P. (ed.); Koch, J. (ed.); Laenen, E. (ed.)
Proceedings of the 31st International Conference, ICHEP 2002, Amsterdam, Netherlands, July 25-31, 2002.
Nucl. Phys. **B (Proc. Suppl.) 117** (2003).

Keil, M. et al.; Eijk, B. van; Hartjes, F.; Noomen, J.
New results on diamond pixel sensors using ATLAS frontend electronics
Nucl. Instr. Meth. **501** (2003) 153-159

Peeters, S.J.M.
The development and performance of silicon strip modules for the ATLAS forward semi-conductor tracker
Nucl. Instr. Meth. **A513** (2003) 74-78

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Baynham, D.E. et al.; Luyckx, G.; Geerinck, J.
ATLAS end cap toroid magnets cold mass design and manufacturing status
IEEE Trans. on Applied Superconductivity **14** (2004) 485-490

Baynham, D.E. et al.; Luyckx, G.; Geerinck, J.; Lefevere, Y.; Docto, M.
ATLAS end cap toroid magnets cryostat design, manufacture and integration at CERN
IEEE Trans. on Applied Superconductivity **14** (2004) 522-525

Beck, H.P. et al.; Barisonzi, M.; Boterenbrood, H.; Jansweijer, P.; Kieft, G.; Vermeulen, J.
The base-line DataFlow system of the ATLAS trigger and DAQ
IEEE Trans. Nucl. Sci. **51** (2004) 470-475

Alexandrov, I. et al.; Hart, R.
Online software for the ATLAS test beam data acquisition system
IEEE Trans. Nucl. Sci. **51** (2004) 578-584

Cranfield, R., et al.; Vermeulen, J.
Computer modeling the ATLAS Trigger/DAQ system performance
IEEE Trans. Nucl. Sci. **51** (2004) 532-538

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A high-precision X-ray tomograph for quality control of the ATLAS Muon Monitored Drift Tube Chambers
Nucl. Instr. Meth. **A 518** (2004) 73-75

Boterenbrood, H. et al.; Heubers, W.
Design and Implementation of the ATLAS Detector Control System
IEEE Trans. Nucl. Sci. **51** (2004) 495-501

dos Anjos, A. et al.; Barisonzi, M.; Boterenbrood, H.; Jansweijer, P.; Kieft, G.; Vermeulen, J.
The Second Level Trigger of the ATLAS Experiment at CERN's LHC
IEEE Trans. Nucl. Sci. **51** (2004) 909-914

Green, B. et al.; Kieft, G.
ATLAS Trigger/DAQ RobIn Prototype
IEEE Trans. Nucl. Sci. **51** (2004) 465-469

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Bagnaia, P. et al.; Barisonzi, M.
Construction of the Inner Layer Barrel Drift Chambers of the ATLAS muon Spectrometer at the LHC
Nucl. Instrum. and Meth. **A546** (2005) 481-497

Campabadal, F. et al.; Cornelissen, T.; Gorfine, G.W.; Hartjes, F.G.; Hessey, N.P.; Jong, P. de; Muijs, A.J.M.; Peeters, S.J.M.
Beam tests of ATLAS SCT silicon strip detector modules
Nucl. Instrum. and Meth. **A538** (2005) 384-407

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Top studies for the Atlas detector commissioning
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and polarized top-antitop production at the LHC
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Campabadal, F. et al.; Colijn, A.P.; Cornelissen, T.; Gorfine, G.W.; Hartjes, F.G.; Hessey, N.P.; Jong, P. de; Kluit, R.; Koffeman, E.; Muijs, A.J.M.; Peeters, S.J.M.

Design and performance of the ABCD3TA ASIC for readout of silicon strip detectors in the ATLAS semiconductor tracker
Nucl. Instrum. and Meth. **A552** (2005) 292-328

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Abdesselam, A. et al.; Colijn, A.P.; Cornelissen, T.; Hartjes, F.G.; Hessey, N.P.; Jong, P. de; Koffeman, E.; Kraaij, E. van der; Limper, M.; Magrath, C.A. Muijs, A.J.M.; Peeters, S.J.M.; Vulpen, I. van
The barrel modules of the ATLAS semiconductor tracker
Nucl. Instr. Meth. **A568** (2006) 642

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The Read-Out Driver for the ATLAS MDT Muon Precision Chambers
IEEE Trans. Nucl. Sci. **53** (2006) 741

Vermeulen, J. et al.; Kieft, G.
ATLAS DataFlow: The Read-Out Subsystem, Results From Trigger and Data-Acquisition System Testbed Studies and From Modeling
IEEE Trans. Nucl. Sci. **53** (2006) 912

Woudstra, M.; Bobbink, G.J.; Eldik, N. van; Graaf, H. van der; Kluit, P.; Koutsman, A.; Limper, M.; Linde, F.; Massaro, G.; Snuverink, J.; Vreeswijk, M.; Groenstege, H.; Koopstra, J.; Mos, S.; Rewiersma, P.; Timmermans, C.; Dijkema, J.
Twin-tubes: 3D tracking based on the ATLAS muon drift tubes
Nucl. Instr. Meth. **A560** (2006) 264

1.2 Physics at the TeV scale: ATLAS/DØ

2000

DØ Collaboration: Abbott, B. et al.; Filthaut, F.
Search for New Physics in $e\mu X$ Data at DØ Using Sleuth: A Quasi-Model-Independent Search Strategy for New Physics
Phys. Rev. D **62** (2000) 092004

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DØ Collaboration: Abazov, V.M. et al.; Balm, P.W.; Bos, K.; Peters, O.; Ahmed, S.N.; Duensing, S.; Filthaut, F.; Wijngaarden, D.A.
Differential cross section for W boson production as a function of transverse momentum in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV
Phys. Lett. B **513** (2001) 292-300

Search for heavy particles decaying into electron-positron pairs in $p\bar{p}$ collisions
Phys. Rev. Lett. **87** (2001) 061802

High- p_T Jets in $p\bar{p}$ Collisions at $\sqrt{s}=630$ and 1800 GeV
Phys. Rev. D **64** (2001) 032003

Measurement of the ratio of differential cross sections for W and Z boson production as a function of transverse momentum in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV
Phys. Lett. B **517** (2001) 299-308

Search for single top quark production at DØ using neural networks
Phys. Lett. B **517** (2001) 282-294

Search for first-generation scalar and vector leptoquarks
Phys. Rev. D **64** (2001) 092004

Search for new physics using QUAERO: a general interface to DØ event data
Phys. Rev. Lett. **87** (2001) 231801

Ratio of isolated photon cross sections in $p\bar{p}$ collisions at $\sqrt{s}=630$ and 1800 GeV
Phys. Rev. Lett. **87** (2001) 251805

Search for electroweak production of single top quarks in $p\bar{p}$ collisions
Phys. Rev. D **63** (2001) 031101

Search for large extra dimensions in dielectron and diphoton production
Phys. Rev. Lett. **86** (2001) 1156-1161

Inclusive jet production in $p\bar{p}$ collisions
Phys. Rev. Lett. **86** (2001) 1707-1712

Measurement of the angular distribution of electrons from $W \rightarrow e\nu$ decays observed in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV
Phys. Rev. D **63** (2001) 072001

A Quasi-Model-Independent Search for New High p_T Physics at DØ
Phys. Rev. Lett. **86** (2001) 3712-3717

Ratios of multijet cross-sections in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV
Phys. Rev. Lett. **86** (2001) 1955

The ratio of jet cross-sections at $\sqrt{s}=630$ GeV and 1800 GeV
Phys. Rev. Lett. **86** (2001) 2523

Quasi-model-independent search for new physics at large transverse momentum
Phys. Rev. D **64** (2001) 012004

Filthaut, F.
Production and testing of the DØ silicon microstrip tracker
Proc. IEEE Nuclear Science Symposium And Medical Imaging Conf., Lyon, France, 15-20 oktober 2000, Ed. J.D. Valentine, Piscataway, IEEE, 2001, IEEE Trans. Nucl. Sci. **48** (2001) 1002

White, V. et al.; Bos, K.; Leeuwen, W. van
The DØ Data Handling System
Proc. Int. Conf. on Computing in High Energy and Nuclear Physics, Ed. H.S. Chen, Beijing, China, 3-7 Sept. 2001, p20

2002

DØ Collaboration: Abazov, V.M. et al.; Balm, P.W.; Blekman, F.; Bos, K.; Peters, O.; Ahmed, S.N.; Jong, S.J.; Duensing, S.; Filthaut, F.; Naumann, N.A.; Wijngaarden, D.A.
Hard single diffraction in $p\bar{p}$ Collisions at $\sqrt{s}=630$ and 1800 GeV
Phys. Lett. B **531** (2002) 52-60

Improved W boson mass measurement with the DØ detector
Phys. Rev. D **66** (2002) 012001

Direct measurement of the W boson decay width
Phys. Rev. D **66** (2002) 032008

The inclusive jet cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV using the k_T algorithm
Phys. Lett. B **525** (2002) 211-218

Subjet multiplicity of gluon and quark jets reconstructed with the k_{\perp} Algorithm in $p\bar{p}$ collisions
Phys. Rev. D **65** (2002) 052008

Direct search for charged Higgs bosons in decays of top quarks
Phys. Rev. Lett. **88** (2002) 151803

Search for the scalar top quark in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV
Phys. Rev. Lett. **88** (2002) 171802

Search for leptoquark pairs decaying into $\nu\bar{\nu}$ plus jets in $p\bar{p}$ collisions at TeV at $\sqrt{s}=1.8$ TeV
Phys. Rev. Lett. **88** (2002) 191801

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DØ Collaboration: Abazov, V.M. et al.; Balm, P.W.; Blekman, F.; Bos, K.; Peters, O.; Ahmed, S.N.; Jong, S.J. de; Duensing, S.; Filthaut, F.; Wijngaarden, D.A.
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Phys. Lett. B **574** (2003) 169-179

$t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV
Phys. Rev. D **67** (2003) 012004

Multiple jet production at low transverse energies in $p\bar{p}$ collisions at root

$\sqrt{s}=1.8$ TeV
Phys. Rev. **D67** (2003) 052001

Search for large extra dimensions in the monojet + missing $E(T)$ channel at $D\emptyset$
Phys. Rev. Lett. **90** (2003) 251802

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$D\emptyset$ Collaboration: Abazov, V.M. et al.; Balm, P.W.; Blekman, F.; Bos, K.; Jong, P. de; Leeuwen, W. van; Vreeswijk, M.; Peters, O.; Phaf, L.; Ahmed, S.N.; Jong, S.J. de; Duensing, S.; Filthaut, F.; Naumann, N.A.; Wijngaarden, D.A.

Search for narrow $t\bar{t}$ resonances in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV
Phys. Rev. Lett. **92** (2004) 221801

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
Phys. Rev. Lett. **93** (2004) 141801

Observation and properties of the $X(3872)$ decaying to $J/\Psi \pi^+ \pi^-$ in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
Phys. Rev. Lett. **93** (2004) 162002

Combination of CDF and $D\emptyset$ results on the W boson mass and width
Phys. Rev. **D70** (2004) 092008

Search for 3- and 4-body decays of the scalar top quark in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV
Phys. Lett. **B581** (2004) 147-155

A precision measurement of the mass of the top quark
Nature **429** (2004) 638-642

Search for pair production of light scalar top quarks in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV
Phys. Rev. Lett. **93** (2004) 011801

Search for new particles in the two-jet decay channel with the $D\emptyset$ detector
Phys. Rev. **D69** (2004) 111101

Towards CP-violation results from $D\emptyset$
Eur. Phys. J. **C33** (2004) 349-351

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$D\emptyset$ Collaboration: Abazov, V.M. et al.; Ahmed, S.N.; Anastasoie, M.; Bos, K.; Caron, S.; Jong, P. de; Jong, S.J. de; Filthaut, F.; Galea, C.F.; Hegeman, J.G.; Houben, P.; Kirby, M.H.; Naumann, N.A.; Berg, P.J. van den; Leeuwen, W.M. van; Vreeswijk, M.; Wijngaarden, D.A.
Search for supersymmetry with gauge-mediated breaking in diphoton events at $D\emptyset$
Phys. Rev. Lett. **94** (2005) 041801

Measurement of the B_s^0 lifetime in the exclusive decay channel $B_s^0 \rightarrow J/\psi \phi$
Phys. Rev. Lett. **94** (2005) 042001

A search for the flavor-changing neutral current decay $B_s^0 \rightarrow \mu^+ \mu^-$ in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV with the $D\emptyset$ detector
Phys. Rev. Lett. **94** (2005) 071802

A search for $W\bar{b}b$ and WH production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
Phys. Rev. Lett. **94** (2005) 091802

Measurement of the Λ_b^0 lifetime in the decay $\Lambda_b^0 \rightarrow J/\psi \Lambda^0$ with the $D\emptyset$ detector
Phys. Rev. Lett. **94** (2005) 102001

Measurement of the WW production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
Phys. Rev. Lett. **94** (2005) 151801

A search for anomalous heavy-flavor quark production in association with W Bosons
Phys. Rev. Lett. **94** (2005) 152002

A measurement of the ratio of inclusive cross sections $\sigma(pp \rightarrow Z + \text{bjet}) / \sigma(pp \rightarrow Z + \text{jet})$ at $\sqrt{s}=1.96$ TeV
Phys. Rev. Lett. **94** (2005) 161801

Measurement of the ratio of B^+ and B^0 meson lifetimes
Phys. Rev. Lett. **94** (2005) 182001

Measurement of dijet azimuthal decorrelations at central rapidities in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
Phys. Rev. Lett. **94** (2005) 221801

Measurement of inclusive differential cross sections for $\gamma(1S)$ production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
Phys. Rev. Lett. **94** (2005) 232001

Study of $Z\gamma$ events and limits on anomalous $ZZ\gamma$ and $Z\gamma\gamma$ couplings in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
Phys. Rev. Lett. **95** (2005) 051802

Search for Randall-Sundrum gravitons in dilepton and diphoton final states
Phys. Rev. Lett. **95** (2005) 091801

Production of WZ events in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV and limits on anomalous WWZ couplings
Phys. Rev. Lett. **95** (2005) 141802

Search for neutral supersymmetric Higgs bosons in multijet events at $\sqrt{s}=1.96$ TeV
Phys. Rev. Lett. **95** (2005) 151801

Search for supersymmetry via associated production of charginos and neutralinos in final states with three leptons
Phys. Rev. Lett. **95** (2005) 151805

Search for large extra spatial dimensions in dimuon production at $D\emptyset$
Phys. Rev. Lett. **95** (2005) 161602

Measurement of the lifetime difference in the B_s^0 system
Phys. Rev. Lett. **95** (2005) 171801

Measurement of semileptonic branching fractions of B mesons to narrow D^{**} states
Phys. Rev. Lett. **95** (2005) 171803

Search for single top quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
Phys. Lett. **B622** (2005) 265

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 -tagging
Phys. Lett. **B626** (2005) 35-44

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
Phys. Lett. **B626** (2005) 45-54

Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV in dilepton final states
Phys. Lett. **B626** (2005) 55-64

Search for first-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
Phys. Rev. **D71** (2005) 071104

First measurement of $\sigma(pp\rightarrow Z)\cdot Br(Z\rightarrow\tau\tau)$ at $\sqrt{s}=1.96$ TeV
Phys. Rev. **D71** (2005) 072004

Measurement of the $pp\rightarrow W\gamma+X$ cross section at $\sqrt{s}=1.96$ TeV and $WW\gamma$ anomalous coupling limits
Phys. Rev. **D71** (2005) 091108

Search for right-handed W bosons in top quark decay
Phys. Rev. **D72** (2005) 011104

Measurement of the top quark mass in all-jet events
Phys. Lett. **B606** (2005) 25

Helicity of the W boson in lepton+jets $t\bar{t}$ events
Phys. Lett. **B617** (2005) 1

Naumann, N.A., A search for neutral Higgs bosons at high $\tan\beta$ with the DØ detector, Int. J. Mod. Phys. **A20** (2005) 3311

Wijngaarden, D.A., Angular correlations between b jets in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV
Int. J. Mod. Phys. **A20** (2005) 3720

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DØ Collaboration: Abazov, V.M. et al.; Anastasoie, M.; Balm, P.W.; Berg, P.J. van den; Bos, K.; Caron, S.; Filthaut, F.; Galea, C.F.; Hegeman, J.G.; Houben, P.; Jong, P. de; Jong, S.J. de; Kirby, M.H.; Leeuwen, W.M. van; Naumann, N.A.; Vreeswijk, M.; Wijngaarden, D.A.

The upgraded DØ detector
Nucl. Instr. Meth. **A565** (2006) 463

Search for squarks and gluinos in events with jets and missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Lett. **B638** (2006) 119

Search for pair production of second generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Lett. **B636** (2006) 183

Search for R-parity violating supersymmetry via the LLE-couplings λ_{121} ,

λ_{122} or λ_{133} in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Lett. **B638** (2006) 441

Measurement of the isolated photon cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Lett. **B639** (2006) 151

Measurement of $B(t\rightarrow Wb)/B(t\rightarrow Wq)$ at $\sqrt{s} = 1.96$ TeV
Phys. Lett. **B639** (2006) 616

Search for scalar leptoquarks in the acoplanar jet topology in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Lett. **B640** (2006) 230

Search for particles decaying into a Z boson and a photon in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Lett. **B641** (2006) 415

Search for $W'\rightarrow t\bar{b}$ boson production in the top quark decay channel
Phys. Lett. **B641** (2006) 423

Search for a heavy resonance decaying into a Z+jet final state in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the DØ detector
Phys. Rev. **D74** (2006) 011104

Search for the rare decay $B_s^0\rightarrow\phi\mu^+\mu^-$ with the DØ detector
Phys. Rev. **D74** (2006) 031107

Limits on anomalous trilinear gauge couplings from $WW\rightarrow e^+e^-$, $WW\rightarrow e^+\mu^+$, and $WW\rightarrow\mu^+\mu^-$ events from $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Rev. **D74** (2006) 057101, erratum **D74** (2006) 059904

Measurement of the CP-violation parameter of B^0 mixing and decay with $p\bar{p}\rightarrow\mu\mu X$ data
Phys. Rev. **D74** (2006) 092001

Measurement of the top quark mass in the lepton+jets final state with the matrix element method
Phys. Rev. **D74** (2006) 092005

Search for excited muons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Rev. **D73** (2006) 111102

Search for the Higgs Boson in $H\rightarrow WW'$ Decays in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV
Phys. Rev. Lett. **96** (2006) 011801

Direct limits on the B_s^0 oscillation frequency
Phys. Rev. Lett. **97** (2006) 021802

Search for resonant second generation slepton production at the Fermilab Tevatron
Phys. Rev. Lett. **97** (2006) 111801

Search for neutral Higgs bosons decaying to τ pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Rev. Lett. **97** (2006) 121802

Search for associated Higgs Boson production $WH\rightarrow WWW'\rightarrow l^+\nu^+\nu'+X$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV

Phys. Rev. Lett. **97** (2006) 151804

Search for neutral, long-lived particles decaying into two muons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Rev. Lett. **97** (2006) 161802

Search for the Standard Model Higgs Boson in the $p\bar{p} \rightarrow ZH \rightarrow \nu\bar{\nu}b\bar{b}$ channel
Phys. Rev. Lett. **97** (2006) 161803

Search for pair production of scalar bottom quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV
Phys. Rev. Lett. **97** (2006) 171806

Measurement of the B_s^0 lifetime using semileptonic decays
Phys. Rev. Lett. **97** (2006) 241801

Caron, S.
B-identification for Level 2: The Silicon Track Trigger at DØ
Nucl. Phys. **B (Proc. Suppl.) 156** (2006) 143

1.3 Relativistic Heavy Ion Physics: ALICE/NA49/NA57/PHENIX/STAR

2000

WA98 Collaboration: Aggarwal, M.M. et al.; Buijs, A.; Eijndhoven, N.J.A.M. van; Geurts, F.J.M.; Kamermans, R.; Pijll, van der
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Eur. Phys. J. **C16** (2000) 445–451

Three-pion interferometry results from central Pb+Pb collisions at 158 AGeV
Phys. Rev. Lett. **85** (2000) 2895–2899

Observation of direct photons in central 158 AGeV $^{208}\text{Pb}+^{208}\text{Pb}$ collisions
Phys. Rev. Lett. **85** (2000) 3595–3599

Collective flow and HBT in Pb+Pb collisions at the CERN-SPS
Nucl. Phys. **A663–664** (2000) 729–732

Search for disoriented chiral condensates in 158 AGeV Pb+Pb collisions
Nucl. Phys. **A663–664** (2000) 745–748

NA57 collaboration: Antinori, F. et al.; Botje, M.; Haas, A.P. de; Kamermans, R.; Kuijer, P.; Muigg, D.; Schillings, E.; Brink, A. van den; Ven, P. van de; Eijndhoven, N. van
Probing the specific entropy produced in ultra-relativistic heavy-ion collisions with a silicon pixel multiplicity detector: a simulation study
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Buijs, A.; Eijndhoven, N.J.A.M. van; Geurts, F.J.M.; Kamermans, R.; Pijll, E.C. van der
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Prendergast, E.P.; Brink A. van den; Haas A.P. de; Kamermans, R. ; Kuijer, P. G.; Laat, C. T. A. M. de; Oti, E.
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Phys. Rev. **C61** (2000) 4611–

2001

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Phys. Rev. **C64** (2001) 011901

Scaling of Particle and Transverse Energy Production in Pb+Pb Collisions at 158 A GeV
Eur. Phys. J. **C18** (2001) 651

NA57 Collaboration: Antinori, F. et al.; Kamermans, R.; Kuijer, P.G.; Schillings, E.; Ven, P. van de
Study of the production of Strange and Multi-Strange Particles in Lead-Lead Interactions at the CERN SPS: the NA57 Experiment
Nucl. Phys. **A681** (2001) 165–173

Status of the NA57 experiment at CERN SPS

J. Phys. **G27** (2001) 383–390

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