

Bfys Workshop “What’s Your Question”

Heische Hoeve, 1 – 3 July, 2019

We all know the answer is 42. *But what’s the question?*

In science in general we look for answers to research questions. Once we have answers we formulate new, deeper, questions. In this workshop we will look for your (scientific, flavour physics related) questions. Hence this year’s theme: “*What’s your question?*”

The questions we are posing are both technologically driven (for example: “Can we do 4-dim tracking based on time measurements?”) as well as by physics analyses or theory motivated (for example: “Is there time-dependent CP violation in Bs decays beyond the SM?”). I’m looking forward to hear your questions!

At the end of this circular you find the current list of participants. If you are on this list, but you cannot come, please let me know since I’m making reservations for accommodations and food. Also, if you know of someone who should be on the list and who is not yet, please let me know a.s.a.p.

The venue of our workshop is the www.heischehoeve.com in Noord Brabant. It will last from July 1, 12h00 – July 3, 13h30 and includes lodging and meals as usual.

The idea of this year’s scientific is roughly as follows (details follow in due time):

Item-1:

What’s your question analyzing current LHCb Run-1 & Run-2 data or theory?

Discussions related to our current analyses:

$B_s \rightarrow J/\psi \phi$, $B_s \rightarrow D_s K$, $B_s \rightarrow \mu^+ \mu^- / e^+ e^- / e \mu$, $B \rightarrow K^* e^+ e^-$, LLP

Item-2:

What’s your question in preparation of Run-3?

Discussions on detector upgrades and methods or new analyses:

SciFi detector, Velo Detector, HLT, Analysis ideas

Item-3:

What’s your question for the future; LHCb Upgrade-2 (Run-4/Run-5)

Ultimate flavor detector at LHC: vertexing, magnet tracking, physics,...

There will also be an open mike session for persons who would like to take the opportunity to present their personal favorite research question and to make us all wonder about it. Traditionally in our workshop we stimulate discussions to come up with “crazy idea’s”. This time you are invited to propose unexpected and “naive” questions.

A more detailed planning for the meeting will follow in due time, where I will try to assign names to the discussion topics. If you have a preference, please mail me before June 15.

Addendum: preliminary list of participants (“Akiba et al.”):

1. Kazu Akiba
2. Jordy Butter
3. Sevda Esen
4. Mauricio Feo
5. Silvia Ferreres
6. Katya Govorkova
7. Wouter Hulsbergen
8. Daniel Hynds
9. Tjeerd Ketel
10. Patrick Koppenburg
11. Igor Kostiuik
12. Hilbrand Kuindersma
13. Koen Lambrechts
14. Lera Lukushenko?
15. Marcel Merk
16. Mick Mulder
17. Gerco Onderwater
18. Chris Pawley
19. Gerhard Raven
20. Cristina Sanchez Gras
21. Aleksandra Snoch
22. Niels Tuning
23. Carlos Vazquez Sierra
24. Maarten van Veghel
25. Michele Veronesi
26. Jacco de Vries
27. Ronald Westra