

Bfys Workshop “Commonalities”

Heijenrath, 29-31 May, 2017

This 3rd circular is intended to provide some more clarifications on the goal of the scientific part of the workshop, in answer to several questions I received.

The generic idea (the theme of the workshop) is to discuss ideas of technology or physics that could have wide applicability within LHCb, as well as to interact with other group members on your subject.

The first day each group makes a *presentation*, that you prepared with your group before the workshop, informing all of us about your topic. The second day has three hands-on sessions a la hackaton: the table discussions. In one session *you provide input* to one of the other groups by discussing with them round the table, in the second session *you receive input* from other people on your topic. In the third session you discuss the outcome of the input with your own group and *prepare on the spot a report* for the third day of the workshop. This is the mini-hackaton part.

Finally the third day we *discuss* the reports of all groups plenary.

Feel free to use your imagination on the topic and on the way of presenting.

Monday May 29:

(14h00 – 18h00) Group presentations of our ideas:

14h00 – 15h20 Presenting Ideas Groups 1 – 4: 20' each group

16h00 – 17h20 Presenting Ideas Groups 5 – 6: 20' each group

(19h00 – 22h00) Walk and dinner in Teuven (www.cafemodern.be)

Tuesday May 30:

(09h00 – 13h00) Working in groups and discussions

09h00 – 09h15 Introduction

09h15 – 10h00 Table discussion groups 1 – 4: collect input

10h00 – 10h45 Table discussion groups 5 – 8: collect input

11h15 – 12h00 Individual group meetings: work it out

(14h00 – 18h00) Visit and tasting in Val-Dieu (www.abbaye-du-val-dieu.be)

Wednesday May 31:

(09h00 – 13h00) Plenary feedback of working groups and further discussions

09h00 – 10h20 Plenary discussion groups 1 – 4: 20' each

11h00 – 12h20 Plenary discussion groups 5 – 8: 20' each

Discussion Groups and Topics for the Workshop

Group 1. *"Electron reconstruction everyone"*

Patrick Koppenburg, Greg Ciezarek, Laurent Dufour, Maarten van Veghel, Hilbrand Kuidersma

Group 2. *"Theory: from EFT to a new model"*

Ruben Jaarsma, Gilberto T, Gerco Onderwater, Michiel Veen

Group 3. *"Can we claim evidence for LFNU?"*

Lex Greeven, Jacco de Vries, Flavio, Elianna Kraan

Group 4. *"Can LHCb anomalies be explained by QCD?"*

Sean Benson, Niels Tuning, Pablo Kebees

Group 5. *"Velo Pixel Vertexing at high rapidity"*

Elena Dall'Occo, Wouter Hulsbergen, Tjeerd Ketel

Group 6. *"Capabilities of the SciFi"*

Antonio Pellegrino, Mauricio Feo, Jirong Cang, Lais Soares Lavra

Group 7. *"Boosting the track fit with a new B-field Map"*

Gerhard Raven, Mick Mulder

Group 8. *"Exploiting Event Errors"*

Katya Govorkova, Jim Baarslag, Lennaert Bel, Marcel Merk

Addendum: list of participants:

1. Marcel Merk
2. Wouter Hulsbergen
3. Niels Tuning
4. Antonio Pellegrino
5. Gerhard Raven
6. Gerco Onderwater
7. Patrick Koppenburg
8. Tjeerd Ketel
9. Greg Ciezarek
10. Sean Benson
11. Flavio Archilli
12. Gilberto Tetlalmatzi-Xolocotzi
13. Maarten van Veghel
14. Mick Mulder
15. Laurent Dufour
16. Jacco de Vries
17. Lennaert Bel
18. Lex Greeven
19. Elena Dall'Occo
20. Katya Govorkova
21. Elianna Kraan
22. Mauricio Feo
23. Jirong Cang
24. Jim Baarslag
25. Michiel Veen
26. Hilbrand Kuindersma
27. Ruben Jaarsma
28. Pablo Kebees
29. Lais Soares Lavra