

## Bfys Workshop “Commonalities”

Heijenrath, 29-31 May, 2017

**Commonality:** *The fact of sharing interests, experiences or other characteristics with someone or something.*

The theme of our workshop this year is *commonalities*. Commonalities can appear at different levels in our work.

Are there reconstruction or detector effects that have wide applicability?

Can you apply ideas of other area's as new developments into your own analysis?

At the workshop we will work in groups on a few topics (e.g. theory/analysis, reconstruction, detector) with the concept of commonality in mind. On the first day of the workshop each group is asked to present their ideas and we will proceed in the true spirit of a interactive workshop from there-on.

Based on the feedback I received I have made 8 groups, each linked to a discussion topic. The names of the people in the groups is listed below.

### Monday May 29:

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

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

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

(19h00 – 22h00) Walk and dinner in Teuven ([www.cafemodern.be](http://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](http://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

### Explanation:

The workshop has partly the style of what is nowadays often called a hackaton. Groups prepare a rough plan of what they propose and present it on Monday. On Tuesday the groups collect input from the rest of the people at four discussion tables. This is done in two rounds of 45'. Then there is 45' time to work out the suggestions further and preparing the material for a second round of 20' reports on Wednesday. The idea is to come up with a concrete plan.

## **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

