

Upgrade II Workshop Introduction

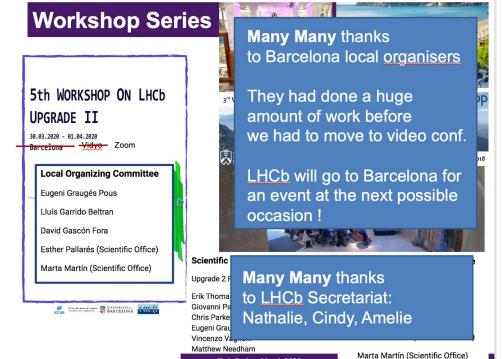
Chris Parkes

- Status
- Timescales
- Plans









Chris Parkes, March 2020

A quick game at the Nou Camp?



Chris Parkes, March 2020

5

Tapas, BYO Cava?



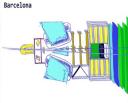
Chris Parkes, March 2020

6

Workshop Series

5th WORKSHOP ON LHCb UPGRADE II

30.03.2020 - 01.04.2020





LHCb will go to Barcelona for an event at the next possible occasion!

geni Graugés Pous

Lluís Garrido Beltran

David Gascón Fora

Esther Pallarés (Scientific Office)

Marta Martín (Scientific Office)

SOUR SECTION SECTIONS SECTIONS SECTIONS SECTIONS

Scientific

Upgrade 2 Erik Thoma Giovanni Pa Chris Parke

Eugeni Grau

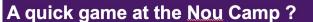
Many Many thanks to LHCb Secretariat: Nathalie, Cindy, Amelie

occasion!

an event at the next possible

Chris Parkes, March 2020

Marta Martín (Scientific Office)







Women's Champions League

Barcelona Women

Fridolina Rolfo 11 Maria Leon 33 Fridolina Rolfo 45 +2:02 Asisat Oshoala 46 Patricia Guijarro 53



Barcelona Women win 6-1 on aggregate

Roma Women

Annamaria Serturini 58









 Current covid-19 crisis could be expected to impact on 2021 schedule

- LS3 modest changes
- Neither time nor finances would permit major upgrade for LS3 on current timescale
 - Framework Technical Design Report
 - Preparation for writing this is
 - main aim of this meeting





Closing Remarks

31st March 2023

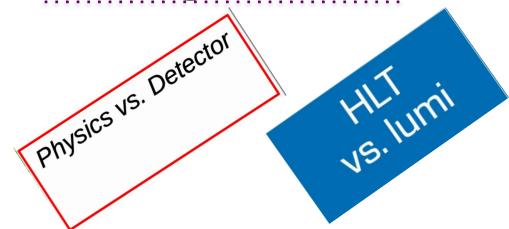
Chris Parkes & Matteo Palutan







Closing Remarks



31st March 2023

Chris Parkes & Matteo Palutan







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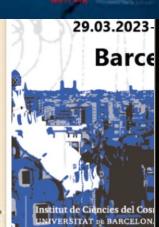








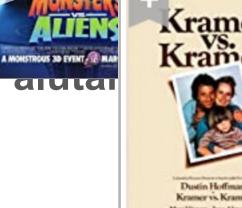


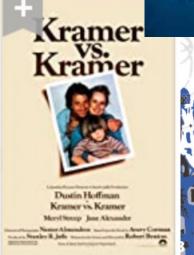






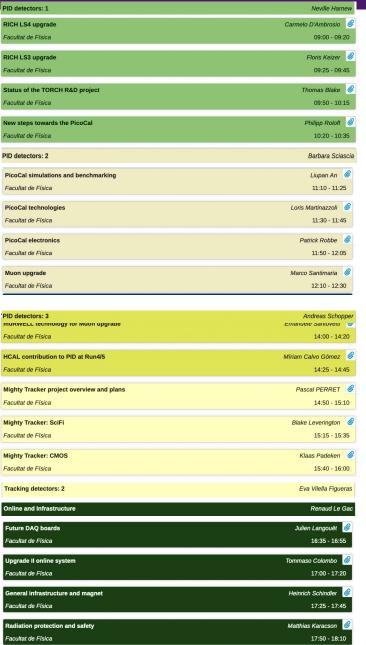


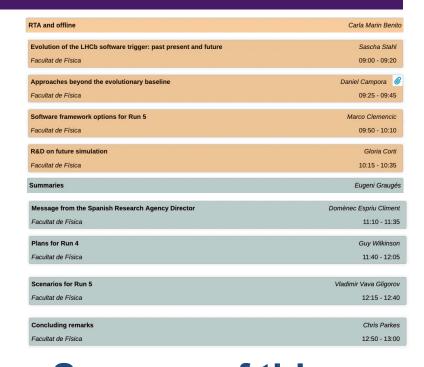




Many thanks to all the speakers and chairs!

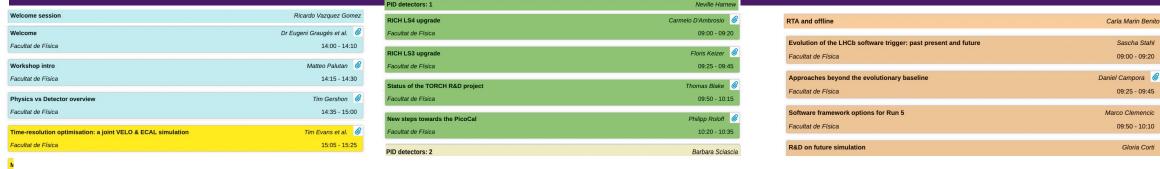
Welcome session	Ricardo Vazquez Gome.
Welcome	Dr Eugeni Graugés et al.
Facultat de Física	14:00 - 14:10
Workshop intro	Matteo Palutan
Facultat de Física	14:15 - 14:30
Physics vs Detector overview	Tim Gershon
Facultat de Física	14:35 - 15:00
Time-resolution optimisation: a joint VELO & ECAL simulation	Tim Evans et al.
Facultat de Física	15:05 - 15:25
Mighty tracker studies	Lucia Grillo et al.
Facultat de Física	15:30 - 15:50
Detector optimisation: 1	Paula Collin
Detector optimisation: 1 Detector optimisation: 2	Paula Collin Paula Collin
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Detector optimisation: 2	Paula Collin
Detector optimisation: 2 Towards a global optimisation of the tracker layout: new tools and idea	Paula Collin Frédéric Blanc et al. 🏽 🤄
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Detector optimisation: 2 Towards a global optimisation of the tracker layout: new tools and idea Facultat de Fisica Simulation infrastructure for optimisation Facultat de Fisica VELO Facultat de Fisica VELO performance studies Facultat de Fisica Study of MAPS-based UT for Upgrade II	Paula Collin Frédéric Blanc et al. 6 16:30 - 16:50 Mark Whitehead 6 16:55 - 17:15 Kazuyoshi Carvalho Akiba et al. 6 17:20 - 17:40 Dan Thompson 6 17:45 - 18:00 Jianchun Wang 6





 Success of this meeting due to you and all who have worked for the subdetector preparation meetings.

Many thanks to all the speakers and chairs!

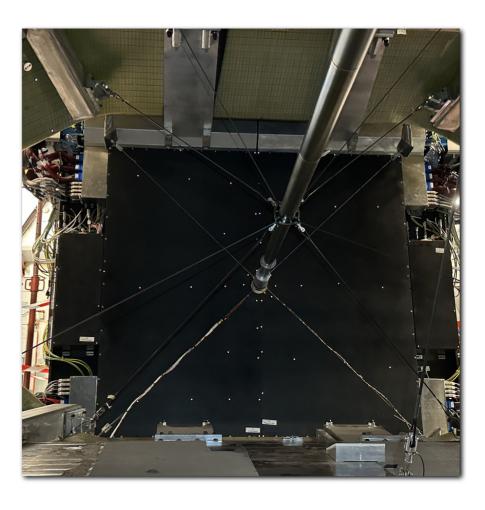


- All slides are currently publically accessible
 - Open workshop for new participants also
 - Please let us know if your slides have any material that should be protected and available for LHCb members only



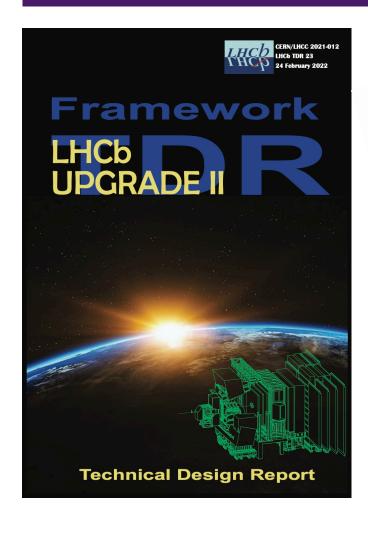


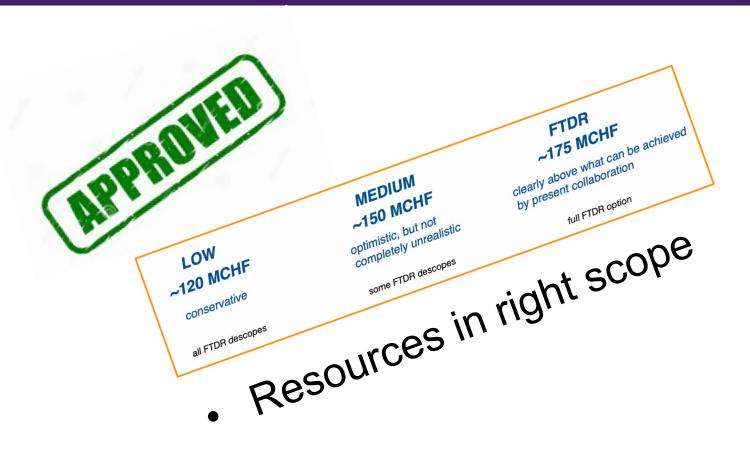
Upgrade Installed



- First occasion on which we have a full upgrade I installed
- and we know the hardware and software systems are all working
- Now complete commissioning!
- First beams this week
- Volunteer for shifts

FTDR approved



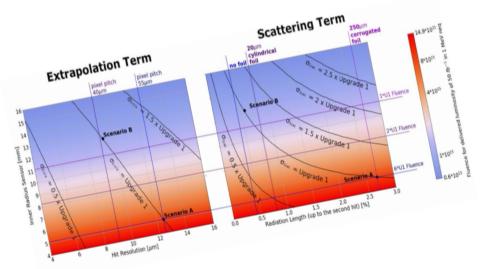


A formative meeting where we got real

Constrained maximum likelihood

Maximising likelihood of success within constraints





Options A, B, C...

Ambitious and realistic



All of your efforts and participation

Participant List

147 participants

& significant numbers on zoom

Many people I had not seen in person for several years



All of your efforts and participation

Valery
Pugatch
Kiev Institute
for Nuclear
Research







Secretariat: Anna Argudo and Esther Pallarés, Cindy Denis

Eugeni Grauges Pous Ricci Vazquez Gomez

Local Organizing Committee (ICCUB)

Ricard Vázquez Gómez
Carla Marín Benito
Eugeni Graugés Pous
Lluís Garrido Beltran
David Gascón Fora
Esther Pallarés (Scientific Office)
Anna Argudo (Scientific Office)

Scientific Committee

Upgrade II matters are overseen by the U2PG:

Eugeni Grauges Pous (ICCUB)
Chris Parkes (U. Manchester)
Yasmine Amhis (CNRS)
Marcel Merk (NIKHEF)
Guy Wilkinson (U.Oxford)
Renaud Le Gac (CNRS)
Marco Cattaneo (IFISC (CSIC-UIB))
Ken Wyllie (CERN)
Giovanni Passaleva (INFN Florence)

Matteo Palutan (INFN-LNF)
Andreas Schopper (CERN)
Tim Gershon (U. Warwick)
Paula Collins (CERN)
Hassan Jawahery (U. Maryland)
Vava Gligorov (LPNHE/CNRS)
Vincenzo Vagnoni (INFN Bologna)
Eric Thomas (CERN)

Matteo Palutan

Longer travels than in 2020 but worth it Safe journey back!