

PROGRAMME

56th LHCb Week

27 June - 03 July 2010

St.Petersburg, Russia

Monday 28 June 2010

08:30 - Departure from Pulkovskaya hotel to PNPI, Gatchina

Plenary (PNPI main auditorium)

chaired by *Andrey Golutvin* 09:40 to 13:00

09:40 - 10:00 Welcome 20'

Alexey Vorobyev, Director of HEP division (PNPI)

10:00 - 10:40 Spokesman Report 40'

Andrey Golutvin (CERN & Imperial College & ITEP)

10:40 - 11:15 Gluon distribution at very low x and BFKL signatures at LHCb 35'

Mikhail Ryskin (PNPI)

11:15 - 11:45 Coffee/Tea

11:45 - 12:20 LHCb Physics Report 35'

Olivier Schneider (EPFL)

12:20 - 12:50 Prediction of new charmed and bottom exotic pentaquarks 30'

Dmitri Diakonov (PNPI)

13:00 - 14:00 Lunch

General Meeting (PNPI main auditorium)

chaired by *Dmitry Diakonov* 14:00 to 15:30

14:00 - 14:45 Problems of the Standard model and 4th generation 45'

Mikhail Vysotsky (ITEP)

14:45 - 15:30 How good are your fits? Unbinned multivariate goodness-of-fit results in high energy physics 45'

Mike Williams (Imperial College London)

15:45 - 16:15 Coffee/Tea

14:00 – 16:40 Collaboration Board (PNPI seminar room)

chaired by *Ulrich Straumann*

17:00 - 18:00 Visit to Gatchina palace

18:30 - 21:00 Reception at Gatchina palace

15:00 Departure of accompanying persons from Pulkovskaya hotel to Gatchina

21:00 Return to Pulkovskaya hotel

Tuesday 29 June 2010

(Pulkovskaya hotel)

Reports: Status of LHC, Reports from Sub-detectors
chaired by *Werner Witzeling* 09:00 to 13:00

- 09:00 – 09:45 LHC Machine - Status and Plans 45'
Oliver Bruning (CERN)
- 10:00 – 10:20 Velo 20'
Chris Parkes (University of Glasgow)
- 10:25 – 10:45 Silicon Tracker 20'
Olaf Steinkamp (Physik-Institut-Universitat Zuerich)

10:50– 11:10 Coffee/Tea

- 11:10 – 11:30 Outer Tracker 20'
Antonio Pellegrino (NIKHEF)
- 11:35 – 11:55 RICH 20'
Ulrich Kerzel (Cambridge)
- 12:00 – 12:20 Calorimeters 20'
Marie-Noelle Minard (LAPP)
- 12:25 – 12:45 Muon Detector 20'
Giovanni Passaleva (INFN – Florence)

13:00 – 14:00 Lunch

Data Processing chaired by *Marco Cattaneo* 14:00 to 16:00

- 14:00 – 14:30 2010 Data Quality and processing status 30'
Marco Adinolfi (University of Bristol)
- 14:30 – 14:50 Simulation Developments 20'
Gloria Corti (CERN)
- 14:50 – 15:20 Hlt timing measurements 30'
Vladimir Gligorov (CERN)
- 15:20 – 15:35 Online Farm Completion 20'
Niko Neufeld (CERN)
- 15:35 – 16:00 Status of Luminosity measurements 20'
Vladislav Balagura (ITEP)

16:00 – 16:30 Coffee/Tea

- 16:30 – 18:30 Technical Board
chaired by *Werner Witzeling*

Wednesday 30 June 2010
(Pulkovskaya hotel)

09:00-09:30 Collaboration Board Report
by *Ulrich Straumann*

Validation of Trigger and Physics Performance
chaired by *Thomas Ruf* 09:30 to 13:00

09:30 – 09:50 Tracking Report 20'
Thomas Ruf (CERN)
09:50 – 10:10 Status of Alignment 20'
Silvia Borghi (University of Glasgow)
10:10 – 10:40 Particle ID 30'
Chris Jones (University of Cambridge)

10:40 – 11:10 Coffee/Tea

11:10 – 11:30 Introduction and lepton triggers 20'
Renaud Le Gac (CPPM CNRS/IN2P3)
11:30 – 11:50 TISTOSTOBing hadrons 20'
Patrick Spradlin (University of Oxford)
11:50 – 12:10 ECAL alley status 20'
Mariusz Witek (High Energy Department)
12:10 – 12:30 Stripping Report 20'
Thomas Blake (Imperial College London)

13:00 – 14:00 Lunch

Physics chaired by *Guy Wilkinson* 14:00 to 18:45

14:00 – 14:10 Introduction 10'
Guy Wilkinson (University of Oxford)
14:10 – 14:45 J/psi studies 35'
Johannes Albrecht (CERN)
14:45 – 15:25 Open charm cross-section:
D⁰, D* 20'
Marco Gersabeck (CERN)
D⁺, D_s 20'
Conor Fitzpatrick (University of Edinburgh)
15:25 – 15:55 bbar cross section from Dmu events 30'
Sheldon Stone (Syracuse University)

16:00 – 16:30 Coffee/Tea

- 16:30 – 17:00 $b\bar{b}$ cross section from $D^*\mu$ events 30'
Marta Calvi (Universita degli Studi Milano)
- 17:00 – 17:20 $B_s \rightarrow \mu\mu$ report 20'
Giampiero Mancinelli (CPPM – Marseille)
- 17:20 – 17:45 $B \rightarrow K^*\mu\mu$ report 25'
Mitesh Patel (Imperial College London)
- 17:45 – 18:10 $B_s \rightarrow \phi \gamma$ report 25'
Olivier Deschamps (LPC)

Thursday 01 July 2010 (Pulkovskaya hotel)

Physics chaired by *Guy Wilkinson* 09:00 to 13:00

- 09:00 – 09:25 Soft pomeron and odderon at LHC 25'
Yuli Shabelsky (PNPI)
- 09:25 – 09:55 $\Lambda/\Lambda\bar{\Lambda}$ 30'
- 09:55 – 10:25 p/\bar{p} 30'
Andrew Powell (University of Oxford)
- 10:25 – 10:55 Central diffractive processes at the Tevatron and LHC 30'
Valery Khoze (IPPP, University of Durham & PNPI)
- 10:55 – 11:30 Coffee/Tea**
- 11:30 – 11:45 Track multiplicity and Pt distributions 15'
Thomas Ruf (CERN)/ *Uli Uwer* (Physikalisches Institut, Heidelberg)
- 11:45 – 12:10 Report from gamma in trees 25'
Vladimir Gligorov (CERN)
- 12:10 – 12:35 Report from gamma in loops 25'
Vincenzo Vagnoni (INFN)
- 12:35 – 13:00 Report from $\phi(s)$ 25'
Oliver Leroy (IN2P3/CNRS & Aix-Marseille University)

13:00 – 14:00 Lunch

Physics chaired by *Andrey Golutvin* 14:00 to 16:00

- 14:00 – 14:15 Presentation of the 1st LHCb paper 15'
Olivier Schneider (EPFL)
- 14:15 – 15:05 Status of the upgrade activities 50'
Sheldon Stone (Syracuse University)

Summary Reports chaired by *Andreas Schopper* 16:00 to 17:20

- 15:05 – 15:30 Technical Coordinator Report 25'

- Werner Witzelling* (CERN)
- 15:30 – 16:00** **Coffee/Tea**
- 16:00 – 16:30 Run Coordinator report 30'
Richard Jacobsson (CERN)
- 16:30 – 17:00 Operation Coordinator report 30'
Partrick Koppenburg (NIKHEF)
- 17:00 – 17:20 Concluding remarks 20'
Andrey Golutvin (CERN & Imperial College & ITEP)
- 19:00 Collaboration Dinner