

Session Program

6-7 Oct 2011

LHC detector simulations: status, needs and prospects

Physics issues

CERN, TH Theory Conference Room

Thursday 6 October

08:30

Physics issues

Session | Location: CERN, TH Theory Conference Room

09:00–09:10 **Introduction**

09:10–09:35

ATLAS: Data and MC comparisons for inner detector tracking and vertexing

Speaker

Markus Juengst

09:35–10:05

CMS: Models and approximations used in full simulation

Speaker

Sunanda Banerjee

10:05–10:35

ALICE: Geant4 validation

Speaker

Eva Sicking

10:35–10:50

Discussion

10:50–11:20

Coffee break

11:20–11:45

LHCb: Multiple scattering and EM physics

Speaker

Matthew Michael Reid

11:45–12:10

ATLAS: Data and MC comparisons for EM calorimeter, electrons and photons

Speaker

Olivier Arnaez

12:10–12:40

CMS: validation results for calorimeters

Speaker

Sunanda Banerjee

12:40–13:00

Discussion

13:00–14:00

Lunch break

14:00–14:25

ATLAS: Data and MC comparisons for hadronic calorimeters, jets and ETmiss

Speaker

Zachary Louis Marshall

14:25–14:45

LHCb: Hadronic interactions issues

Speaker

Nigel Watson

14:45-15:15 ALICE: Transport of low momentum hadrons**Speaker**

Marco Van Leeuwen

15:15-15:30 Discussion**15:30-16:00 Coffee break****16:00-16:30 CMS: validation results for tracking detectors****Speakers**

Mike Hildreth, Mike Hildreth

16:30-16:55**ATLAS: Data and MC comparisons for muon spectrometer, including cavern background****Speaker**

Laura Jeanty

16:55-17:20 LHCb: Simulation of RICHes**Speaker**

Sajan Easo

17:20-17:45 Discussion

18:30