# LHC detector simulations: status, needs and prospects

## Thursday, 6 October 2011

**Physics issues - TH Theory Conference Room (08:30 - 18:30)**

| time | [id] title | presenter |
|---|---|---|
| 09:00 | [14] Introduction | |
| 09:10 | [0] ATLAS: Data and MC comparisons for inner detector tracking and vertexing | JUENGST, Markus |
| 09:35 | [9] CMS: Models and approximations used in full simulation | BANERJEE, Sunanda |
| 10:05 | [5] ALICE: Geant4 validation | SICKING, Eva |
| 10:35 | [28] Discussion | |
| 10:50 | Coffee break | |
| 11:20 | [6] LHCb: Multiple scattering and EM physics | REID, Matthew Michael |
| 11:45 | [1] ATLAS: Data and MC comparisons for EM calorimeter, electrons and photons | ARNAEZ, Olivier |
| 12:10 | [10] CMS: validation results for calorimeters | BANERJEE, Sunanda |
| 12:40 | [13] Discussion | |
| 13:00 | Lunch break | |
| 14:00 | [2] ATLAS: Data and MC comparisons for hadronic calorimeters, jets and ETmiss | MARSHALL, Zachary Louis |
| 14:25 | [8] LHCb: Hadronic interactions issues | WATSON, Nigel |
| 14:45 | [4] ALICE: Transport of low momentum hadrons | VAN LEEUWEN, Marco |
| 15:15 | [29] Discussion | |
| 15:30 | Coffee break | |
| 16:00 | [12] CMS: validation results for tracking detectors | HILDRETH, Mike<br>HILDRETH, Mike |
| 16:30 | [3] ATLAS: Data and MC comparisons for muon spectrometer, including cavern background | JEANTY, Laura |
| 16:55 | [7] LHCb: Simulation of RICHes | EASO, Sajan |
| 17:20 | [15] Discussion | |