# EPS HEP 2015

# Friday 24 July 2015

**Detector R&D and Data Handling - HS42 (09:00 - 11:00)**

| time | [id] title | presenter |
|------|-----------|-----------|
| 09:00 | [246] The CMS muon system in Run2: preparation, status and first results | ABBIENDI, Giovanni |
| 09:15 | [410] ATLAS Muon Spectrometer Upgrades for the High Luminosity LHC | VALDERANIS, Chrysostomos |
| 09:30 | [143] Physics motivations and expected performance of the CMS muon system upgrade with triple-GEM detectors | VENDITTI, Rosamaria |
| 09:45 | [409] Upgrade of the ATLAS Calorimeters for Higher LHC Luminosities | KOROLKOV, Ilya |
| 10:00 | [319] Development of technologies for highly granular calorimeters and their performance in beam tests | BALAGURA, Vladislav |
| 10:15 | [821] Detailed studies of hadronic showers and comparison to GEANT4 simulations with data from highly granular calorimeters | VAN DER KOLK, Naomi |
| 10:30 | [468] Hadron Calorimeters for the future High Energy Physics Nuclear Experiments | Mr MIKHAYLOV, Vasily |
| 10:45 | [456] Development of the electromagnetic calorimeter waveform digitizers for the Fermilab Muon g-2 experiment | CHAPELAIN, Antoine |

**Detector R&D and Data Handling - HS42 (11:30 - 13:00)**

| time | [id] title | presenter |
|------|-----------|-----------|
| 11:30 | [232] Perfomance of novel and upgraded instrumentation for luminosity and beam conditions measurements in CMS | LEONARD, Jessica Lynn |
| 11:45 | [239] The CMS Level-1 Trigger for the LHC Run 2 | FOUNTAS, Costas |
| 12:00 | [422] The ATLAS Trigger System: Ready for Run 2 | CZODROWSKI, Patrick |
| 12:15 | [251] Novel real-time calibration & alignment and tracking performance for LHCb Run II | SEYFERT, Paul |
| 12:30 | [414] Hardware-based Tracking at Trigger Level for ATLAS: The Fast TracKer (FTK) Project | GRAMLING, Johanna |
| 12:45 | [419] FTK AMchip05: an Associative Memory Chip Prototype for Track Reconstruction at Hadron Collider Experiments | CRESCIOLI, Francesco |

**Detector R&D and Data Handling - HS42 (14:30 - 16:00)**

| time | [id] title | presenter |
|------|-----------|-----------|
| 14:30 | [146] CMS Tracker Upgrades: R&D Plans, Present Status and Perspectives | VORMWALD, Benedikt |
| 14:45 | [406] The upgraded Pixel detector and the commissioning of the Inner Detector tracking of the ATLAS experiment for Run-2 at the Large Hadron collider | POTAMIANOS, Karolos |
| 15:00 | [396] Inner tracking devices at the Belle II experiment | CASAROSA, Giulia |

| 15:15 | [390] Upgrade of the LHCb VELO detector | WILLIAMS, Mark Richard James |
| 15:30 | [391] LHCb Upgrade – The Scintillating Fibre Tracker | LEVERINGTON, Blake Dean |
| 15:45 | [441] Test of MPGD modules with a large prototype Time Projection Chamber | BHATTACHARYA, Deb Sankar |

### Detector R&D and Data Handling (16:30 - 18:15)

| time | [id] title | presenter |
| --- | --- | --- |
| 16:30 | [676] The WAGASCI experiment at JPARC to measure neutrino cross-sections on water | NOAH MESSOMO, Etam |
| 16:45 | [382] First results from the NA62 straw spectrometer | PALLADINO, Vito |
| 17:00 | [698] The LHeC detector | NEWMAN, Paul Richard |
| 17:15 | [179] Performance of a Large 1 $m^2$ Micromegas Detector Using Ar and Ne based Drift Gases | Mr LÖSEL, Philipp |
| 17:30 | [315] Characterization of n ew crystals for X rays detection | BONESINI, Maurizio |
| 17:45 | [397] Particle identification devices at the Belle II experiment | PESTOTNIK, Rok |
| 18:00 | [560] Test Beam Results of a 3D Diamond Detector | DUNSER, Marc |

# Saturday 25 July 2015

**Detector R&D and Data Handling - HS42 (09:00 - 11:00)**

| time | [id] title | presenter |
|------|-----------|-----------|
| 09:00 | [177] Offline performance of the CMS Tracker during early Run II | FRANCOIS, Brieuc Arnaud L |
| 09:15 | [404] The ATLAS Distributed Computing project for LHC Run-2 and beyond. | DI GIROLAMO, Alessandro |
| 09:30 | [388] The LHCb Higher Level Trigger in Run II | STAHL, Sascha |
| 09:45 | [389] LHCb upgrade: plans and potential | MUHEIM, Franz |
| 10:00 | [399] The data acquisition and trigger system of the Belle II experiment | LI, Chunhua |
| 10:15 | [90] HistFitter: a flexible framework for statistical data analysis | Dr LORENZ, Jeanette Miriam |
| 10:30 | [453] Track Fitting in Belle II: the GENFIT Library and its Performance | SCHLÜTER, Tobias |
| 10:45 | [372] Prototyping a coherent framework for full, fast and parameteric detector simulation for the FCC project | HRDINKA, Julia |