

AGENDA

**Sun. Sep. 23**

Dinner & Reception in Mackenzie's Restaurant, 6 pm until 9 pm

**Mon. Sep. 24**

**Session 1 Tracking experience at LHC (Chair Paula Collins)**

8:30 Local Registration & Introduction  
9:00 Silicon Central Tracker Commissioning in ATLAS  
9:30 CMS tracker commissioning and first operation experience  
10:00 Progress on Alice Pixel Detector Commissioning  
10:30 Coffee Break  
11:00 CMS Pixel commissioning  
11:30 LHCb Burn in Studies  
12:00 Data Acquisition in LHCb VELO Test beams  
12:30 *Lunch Break*

**Speaker**

Dave Robinson  
Christophe Delaere  
Petra Riedler

Mauro Dinardo  
Franciole Marinho  
Niko Neufeld

**Session 2 Commissioning and Detector Integration (Chair Gian Mario Bilei)**

14:30 ATLAS Pixel Detector Commissioning using Cosmics Rays  
15:00 Power distribution, cabling and other reliability issues (ATLAS)  
15:30 CO<sub>2</sub> cooling experience (LHCb)  
16:00 *Coffee Break*  
16:30 Hybridization issues for future applications  
17:00 CERN plans for experiment protections  
17:30 Status of ATLAS diamond Beam Condition Monitor

Daniel Dobos  
Maurice Garcia-Sciveres  
Ann Van Lysbetten

Stefan Koenig  
Massi Ferro-Luzzi  
Andrej Gorisek

**Poster Session**

18:00 All presenters should be available for discussions  
19:00 Dinner in Grandview B Meeting Room

**Tues, Sept. 25**

**Session 3 Novel Detectors and Electronics I (Chair Toru Tsuboyama)**

9:00 Thinned Silicon Detectors  
9:30 Development of Monolithic Pixel Sensors for the ILC  
10:00 Monolithic Active Pixel Sensors  
10:30 *Coffee Break*  
11:00 Characterization of deep N-well CMOS MAPS  
for the ILC vertex detector  
11:30 3d circuit integration  
12:00 Lunch Break

Hans-Guenther Moser  
Devis Contarato  
Pierre Lutz

Gianluca Traversi

Ray Yarema

**Session 4 Novel Detectors and Electronics II (Chair David Christian)**

14:30 Diamond Detector Development  
15:00 Diamond Detector Progress from RD42  
15:30 A CCD Based Vertex Detector  
16:00 *Coffee Break*  
16:30 RD50: P-type Sensor Results  
17:00 DEPFET Active Pixel Sensors  
17:30 Development of 3D Detectors  
18:10-21:00 Dinner at Mackenzie's, Veranda or Boat House Restaurants

Kevin Oliver  
William Trischuk  
Konstantin Stefanov

Gianluigi Casse  
Hans-Guenter Moser  
Gian Franco Della Betta  
*Make reservations at hotel*

**Wed., Sept. 26**

**Session 5 Vertexing , Track Reconstruction & Alignment Strategy (Chair Sheldon Stone)**

|       |   |                 |
|-------|---|-----------------|
| 8:30  | Vertex and track reconstruction in ATLAS                              | Wolfgang Liebig |
| 9:00  | Track Reconstruction and Experience with Cosmic Ray Data in CMS       | Carsten Noeding |
| 9:30  | Vertex, Track Reconstruction and Luminosity Monitoring at LHCb        | Jianchun Wang   |
| 10:00 | Alignment strategy for LHCb   | Sebastian Viret |
| 10:30 | <i>Coffee Break</i>   |                 |
| 11:00 | Tracker alignment strategy in CMS and experience with Cosmic Ray Data | Gero Flucke     |
| 11:30 | Alignment strategy for the ATLAS tracker                              | Tobias Golling  |

**Excursion**

16:30 Depart Hotel for Camp Majano Barbeque dinner

**Thurs Sept. 27 Tracking and Vertexing in the Trigger Algorithm (Chair Richard Brenner)**

|       |  |                |
|-------|--|----------------|
| 9:00  | Vertex Reconstruction & Tracking in the Trigger Algorithm in ATLAS                                   | Carlo Schiavi  |
| 9:30  | Vertex Reconstruction & Tracking in the Trigger Algorithm in LHCb                                    | Themis Bowcock |
| 10:00 | Vertex Reconstruction & Tracking in the Trigger Algorithm in CMS                                     | Marcin Konecki |
| 10:30 | <i>Coffee Break</i>  |                |
| 11:00 | Tracking in the Trigger: from the CDF Experience to the CMS Upgrade                                  | Fabrizio Palla |
| 11:30 | A New Technique for the Reconstruction, Validation, and Simulation of Hits in the CMS Pixel Detector | Morris Swartz  |
| 12:00 | <i>Lunch Break</i>   | Break          |

**Future Detectors (Chair Su Dong)**

|       |   |                    |
|-------|---|--------------------|
| 14:30 | ILC: Thoughts, Issues and R&D   | Ron Lipton         |
| 15:00 | SLHC upgrades: challenges and strategies in ATLAS                                       | Marc Weber         |
| 15:30 | SLHC Upgrades: Thoughts, Challenges & Strategies in CMS                                 | Marcello Mannelli  |
| 16:00 | <i>Coffee Break</i>   |                    |
| 16:30 | LHCb upgrade  | Marina Artuso      |
| 17:00 | Vertex Detectors for a Super-B factory  | Guiliana Rizzo     |
| 17:30 | The STAR Vertex Detector Upgrade Development  | Leo Greiner        |
| 18:00 | SILICON VERTEX TRACKER FOR PHENIX UPGRADE AT RHIC: CAPABILITIES AND DETECTOR TECHNOLOGY | Dr. Rachid Nouicer |
| 18:30 | Reception & Banquet at Golf House Restaurant  |                    |

**Friday, Sept 28**

**session 8 Other Applications; Space Applications (Chair Eduardo Do couto e silva)**

|       |  |                    |
|-------|--|--------------------|
| 8:30  | 3H Imaging   | Fabio Risigo       |
| 9:00  | Energy Dependent Imaging Properties of the Medipix2 X-ray Detector | Thilo Michel       |
| 9:30  | Active pixel sensors for electron microscopy                       | Peter Denes        |
| 10:00 | Nano-CT Scanning   | Bert Maschaele     |
| 10:30 | <i>Coffee Break</i>  |                    |
| 11:00 | Experience and results from the 6 Megapixel Pilatus System         | Beat Henrich       |
| 11:30 | EXIST: A Large Area Cd-Zn-Te & Si Based Space X-ray Telescope      | Henric Krawczynski |
| 12:00 | Pamela   | Eena Vannuccini    |

**Poster Presentations**

|  |                      |
|--|----------------------|
| Continuous Acquisition Pixel detectors for BELLE   | Herbert Hoedelmoser  |
| The CDF RUN II Silicon Detector: Aging Studies ?   | I. Redondo-Fernandez |
| SOI monolithic pixel detector R&D in a 0.15um technology   | Hideki Miyake        |
| Development of CMOS monolithic pixel sensors with in-pixel correlated double sampling and fast readout | Devis Contarato      |
| Problems during the Production of the Silicon Strip Detector Modules for the CMS Tracker End Caps      | Stephan Haensel      |
| The Forward Silicon Vertex Tracker Upgrade for the PHENIX Experiment at                                | Jon Kapustinsky      |
| Vacuum Tests of LHCb Vertex Locator Sensors  | Gwenaelle Lefeuvre   |
| Telescope for Radiation Hard Silicon Studies   | Regina Demina        |
| Construction of the CMS Forward Pixel Detector at Fermilab   | Ricardo Vasquez      |