

Vertex 2012 - The 21st International Workshop on Vertex Detectors

Monday 17 September 2012 - Friday 21 September 2012

**Seogwipo KAL Hotel
Programme**

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Monday 17 September 2012

Opening (09:20-09:30)

- Presenters: Prof. PARK, Hwanbae

Session 1 Performance of present tracking detectors (09:30-12:00)

- Conveners: Prof. Kim, Guinyun

time	title	presenter
09:30	Performance of ATLAS Tracking Detector	LACUESTA MIQUEL, Vicente
10:00	Tracking and Vertexing performance in CMS	TROPIANO, Antonio
10:30	Coffee Break	
11:00	Performance of the LHCb Tracking Detectors	TOBIN, Mark
11:30	Performance of ALICE Silicon Tracking Detectors	BUFALINO, Stefania

Session 2 Operational issues of present tracking/vertexing detectors - (14:00-18:00)

- Conveners: Hara, Kazuhiko

time	title	presenter
14:00	Operational Experience with the ATLAS Pixel Detector at the LHC	KEIL, Markus
14:30	Operation and Performance of the CMS Silicon Strip Tracker	FLUCKE, Gero
15:00	Operational Issues of the Present CMS Pixel Detector	ZENZ, Seth
15:30	Coffee Break	
16:00	The AMS-02 Silicon Tracker (The Detector after 500 Days in Space)	DURANTI, Matteo
16:30	Impact on Radiation on VELO Sensors	WEBBER, Adam Dane
17:00	Operational Issues of Present ATLAS Strip Detector	YACOOB, Sahal
17:30	A MAPS Based Pixel Vertex Detector for the STAR Experiment	GREINER, leo

Tuesday 18 September 2012

Session 3 Radiation Hardness (09:00-12:00)

- **Conveners: Brenner, Richard**

time	title	presenter
09:00	Challenges for the Adaptive Gain Integrating Pixel Detector (AGIPD) Design due to the High Intensity Photon Radiation Environment at the European XFEL	BECKER, Julian
09:30	Radiation Damage in Diamond Detectors	KRAMBERGER, Gregor
10:00	3D Irradiation Results	DALLA BETTA, Gian-Franco
10:30	Coffee Break	
11:00	Radiation Background Simulation and Verification at the LHC and Its Upgrades.	DAWSON, Ian
11:30	CMS HPK Sensor Characterisation	DIERLAMM, Alexander

Session 3 Radiation Hardness - (14:00-15:00)

- **Conveners: Moser, Hans-Günther**

time	title	presenter
14:00	Radiation Damage to Currently Running LHC Silicon Detectors	GIBSON, Stephen
14:30	X-ray Induced Radiation Damage in Segmented p+n Silicon Sensors (for Jianguo Zhang)	BECKER, Julian

Session 4 R/D and device and detector simulation (15:00-18:00)

- **Conveners: Moser, Hans-Günther**

time	title	presenter
15:00	Strip Technology and HVMPAS	PERIC, Ivan
15:30	Coffee Break	
16:00	"Why p-type is Better than n-type" or Electric Field in Heavily Irradiated Silicon Detectors	KRAMBERGER, Gregor
16:30	ATLAS FEI4 ASIC	CAMINADA, Lea Michaela
17:00	"Scribing-Cleaving-Passivation" for High Energy Physics Silicon Sensors	CHRISTOPHERSEN, Marc

Wednesday 19 September 2012

Session 5 Electronics, Trigger, 3D integration (09:00-11:30)

- Conveners: Wiedner, Dirk

time	title	presenter
09:00	First Three-Dimensionally Integrated Chip for Photon Science	MAJ, Piotr
09:30	3D Integration with TSV	MOSER, Hans-Guenther
10:00	Coffee Break	
10:30	Fast, Granular and Ultra-Light Pixelated Double Sided Ladders Based on CMOS Sensors for an ILC Vertex Detector Adapted to the Ultimate Collision Energy	VOUTSINAS, Georgios Gerasimos
11:00	Perspectives of 65nm CMOS Technologies for High Performance Front-End Electronics in Future Applications	TRAVERSI, Gianluca

EXCURSION (12:30-18:30)

Thursday 20 September 2012

Session 6 New detectors (09:00-12:30)

- **Conveners: Kramberger, Gregor**

time	title	presenter
09:00	Silicon Charge Detector (SCD) for Cosmic Ray Measurements	PARK, I.H.
09:30	The SuperB Silicon Vertex Tracker	VITALE, Lorenzo
10:00	The PANDA MicroVertex Detector: Design and Prototype Results	RIVETTI, Angelo
10:30	Coffee Break	
11:00	Vertex-Detector R/D for CLIC	DANNHEIM, Dominik
11:30	Tracking and Vertexing for the Heavy Photon Search Experiment	NELSON, Timothy Knight
12:00	A Novel Experiment Searching for the Lepton Flavor Violating Decay $\mu \rightarrow eee$	WIEDNER, Dirk

Session 7 Detector upgrades (14:00-18:00)

- **Conveners: Tobin, Mark**

time	title	presenter
14:00	Belle Tracker Upgrade	KREIDL, Christian
14:30	ATLAS Pixel, Phase 0 (IBL)	KOCIAN, Martin
15:00	CMS Pixel Detector Phase I Upgrade Project	LU, Rong-Shyang
15:30	Coffee Break	
16:00	ATLAS Strip Upgrade	BERNABEU VERDU, Jose
16:30	CMS Strip Detector Upgrade	BOUDOUL, Gaele
17:00	The LHCb VELO Upgrade	HYNDS, Daniel
17:30	The ALICE Inner Tracker Upgrade	SANTORO, Romualdo

Friday 21 September 2012

Session 8 Non-HEP, Synchrotron radiation sources (09:00-11:00)

- **Conveners: Prof. Park, Hwanbae**

time	title	presenter
09:00	Development of X-ray 2D Detector for SACLA (SPring-8 Angstrom Compact Free-Electron Laser)	HATSUI, Takaki
09:30	Detectors at the LCLS	KENNEY, Chris
10:00	R/D Activities of Silicon Detector in KNU	HYUN, HyoJung
10:30	Status of the PLS-II Synchrotron Light Source	LEE, Heung-Soo

Summary talk (11:00-11:30)

- **Presenters: BRENNER, Richard**