

## Monday, September 6

Registration: 8:00-9:00 and during coffee break

### Session: LHC Experiments – Session Chair: D. Kotlinski

09:00-09:10	Horisberger R.	Welcome
09:10-09:40	Moss J.	Commissioning and operation of the ATLAS Pixel Detector
09:40-10:10	Bolla G.	Status of the CMS pixel detector
10:10-10:40	Riedler P.	The ALICE Silicon Pixel Detector – Commissioning, Operation and Performance with Proton-Proton Beams
<b>10:40-11:10</b>	<b>Coffee</b>	
11:10-11:30	Keil M.	Online calibrations and performance of the ATLAS Pixel Detector
11:30-11:50	Kreis B.	The Online Calibration, Operation and Performance of the CMS Pixel Detector
11:50-12:10	Dell'Asta L.	Offline calibrations and performance of the ATLAS Pixel Detector
12:10-12:30	Langenegger U.	Offline calibration and performance of the CMS pixel detector
<b>12:30-14:00</b>	<b>Lunch</b>	

### Session: Particle Physics Experiments – Session Chair: L. Rossi

14:00-14:20	Bean A.	Plans for an upgraded CMS pixel detector
14:20-14:40	Huegging F.	The ATLAS Insertable B-Layer Detector (IBL)
14:40-15:00	Hollingsworth M.	The Pixel Luminosity Telescopes: a Dedicated Luminosity Monitor for CMS
15:00-15:40	Battaglia M.	Tracking and vertexing at the future linear collider
<b>15:40-16:10</b>	<b>Coffee</b>	
16:10-16:30	Marinas C.	The Belle-II DEPFET Pixel Detector: A step forward in vertexing in the SuperKEKB Flavour Factory
16:30-16:50	Stockmanns T.	An overview of the High Rate Low Radiation Length Micro-Vertex-Detector for the PANDA-Experiment
16:50-17:10	Greiner L.	A MAPS Based vertex Detector for STAR at RHIC
17:10-17:30	Schwenke M.	Exploration of pixelated CdZnTe detectors for double beta decay searches within the COBRA experiment

## Tuesday, September 7:

### Session: X-Ray Imaging Applications – Session Chair: B. Schmitt

09:00-09:30	Schulze-Briese C.	Pixel detector for present and future experiments in synchrotron sources
09:30-09:50	Dinapoli R.	EIGER: Next generation single photon counting detector for X-Ray applications
09:50-10:10	Toyokawa H.	Energy-resolved X-ray imaging method with the counting-type pixel detector
10:10-10:30	Toko H.	Development of CdTe Pixel Detector with Window Comparator ASIC High Energy X-Ray Application
<b>10:30-11:00</b>	<b>Coffee</b>	
11:00-11:20	Hatsui T.	Development of Multi-Via (MVIA) pixel with signal-charge division to realize high effective 105 dynamic range for X-ray Free-Electron Laser applications
11:20-11:40	Mozzanica A.	Charge integrating Readout ASICs for X-ray free electron lasers
11:40-12:00	Porro M.	The DSSC: a Large Format X-ray Imager with Mega-Frame Readout Capability for the European XFEL
12:00-12:20	Strüder L.	First X-ray Imaging Measurements at the new SLAC Free Electron Laser
<b>12:20-14:00</b>	<b>Lunch</b>	
14:00-14:20	Teyssier C.	Performance of the Medipix and Timepix devices for the recognition of electron-gamma radiation fields
14:20-14:50	Brönnimann Ch.	Calibrations and Corrections for Single Photon Counting Pixel Detectors

### Session: Pixel Electronics - Session chair: R. Horisberger

14:50-15:10	Li F.	Qpix v.1: A high speed 400-pixels readout LSI with 10-bit 10MSps pixel ADCs
15:10-15:30	Sato Y.	Radiation test on FD-SOI Readout ASIC of Pair-monitor for ILC
<b>15:30-16:00</b>	<b>Coffee</b>	
16:00-16:20	Barbero M.	FE-I4 Chip Development for Upgraded ATLAS Pixel Detector at LHC
16:20-16:40	Dellacasa G.	A 130 nm ASIC prototype for the NA62 Gigatracker readout
16:40-17:00	Arbat A.	Read-out Electronics for Low Dark Count Pixel Detectors Based on Geiger Mode Avalanche Photodiodes Fabricated in Conventional CMOS Technologies for Future Linear Colliders
17:00-17:30	Holst G.	sCMOS chips and associated electronics

## Wednesday, September 8

### Session: Pixel Technologies I – Session Chair: G. Bolla

09:00-09:20	Münstermann D.	Recent progress of the ATLAS Upgrade Planar Pixel Sensor R&D Project N+-in-n pixel sensors for the ATLAS upgrades
09:20-09:40	Unno Y.	Development of n-in-p Silicon Planar Pixel Sensors and flip-chip modules for very high radiation environment
09:40-10:00	Rohe T.	Planar Sensors for the Upgrade of the CMS Pixel Detector
10:00-10:20	Tsurin I.	Characterization of n-in-p pixel sensors for high radiation environments
<b>10:20-10:50</b>	<b>Coffee</b>	
10:50-11:10	Macchiolo A.	Performance of thin pixel sensors irradiated up to a fluence of 1016 neq cm-2 and development of a new interconnection technology for the upgrade of the ATLAS pixel system
11:10-10:30	Micelli A.	3D silicon sensors from different manufacturers for pixel upgrades at the LHC
11:30-11:50	Alagoz E.	Preliminary test results of 3D CMS pixel sensors for SLHC
<b>12:00-19:20</b>	<b>Excursion to Jungfrauoch – “Top of Europe”</b>	

## Thursday, September 9

### Session: Pixel Technologies II – Session Chair: N. Wermes

09:00-09:20	Peric I.	Particle pixel detectors in high-voltage CMOS technology - the new achievements
09:20-09:40	Gaioni L.	Monolithic Active Pixel Sensors with high-density readout electronics in a 65nm CMOS technology
09:40-10:00	Rizzo G.	Thin Pixel Development for the SuperB Silicon Vertex Tracker
10:00-10:20	Dorokhov A.	High-resistivity CMOS pixel sensors and their application to the STAR PIXEL detector
<b>10:20-10:50</b>	<b>Coffee</b>	
10:50-11:10	Stanitzki M.	Advanced Monolithic Active Pixel Sensors for tracking and vertexing with full CMOS capability
11:10-11:30	Giubilato P.	A novel SOI pixel detector with depleted substrate
11:30-11:50	Arai Y.	Progress of SOI Pixel Detectors and 3D Integration
11:50-12:10	Fritzschn Th.	Low cost flip chip assembly and interconnection technologies for large area pixelsensor applications
<b>12:10-14:00</b>	<b>Lunch</b>	

### Session: Pixel Technologies III - Session chair: H.-G. Moser

14:00-14:20	Motoyoshi M.	SOI pixel detector with micro-bump bonding
14:20-14:40	Yarema R.	Progress on 3D Integrated Devices at Fermilab
14:40-15:00	Pugatch V.	Metal and Hybrid TimePix Detectors Imaging Beams of Particles
15:00-15:30	Röder R.	CiS - Your partner from development to production of silicon sensors

### 15:30-17:00 Coffee+Poster session

Kishimoto S.	Si-APD array detectors with 2-ns pulse-pair resolving time and sub-ns resolution for synchrotron X-ray measurements
Lee Ch.	Effect on MIM Structured Parallel Quenching Capacitor of SiPMs
Evagora A.	Optimising EM-CCD technology for space applications
Altini V.	Trigger performance of the ALICE Silicon Pixel Detector
Mueller S.	Impact of beam induced backgrounds for the CMS Pixel and other inner radii detectors - Simulation and Data
Backhaus M.	Development of a versatile and modular test system for hybrid ATLAS detectors
Münstermann D.	N <sup>+</sup> -in-n pixel sensors for the ATLAS upgrades

### Session: Light Mechanical Structures – Session Chair: H.G. Moser

17:00-17:20	Gonella L.	Towards minimum material trackers for HEP experiments at upgraded luminosity
17:20-17:40	Nomerotski A.	Ultra-light ladders for ILC vertex detector by PLUME collaboration
17:40-18:00	Bosi F.	Development of light prototypes support for silicon pixel detectors cooling based on microchannel technology
<b>19:30-21:30</b>	<b>Social dinner at the Sunstar Hotel</b>	

## Friday, September 10

### Session: Data Reconstruction and Algorithms – Session Chair: A. Starodumov

09:00-09:20	Saganti P.	Radiation Particle Assessment and Track Interpretation in 3D Tissue
09:20-09:40	Hirsch F.	Tracking and vertexing with the ATLAS Detector at the LHC
09:40-10:00	Dinardo M.	Tracking and vertexing Capabilities of the CMS Tracker Detector with the First LHC Data
10:00-10:20	Servoli L.	A grazing angle technique to measure the charge collection efficiency for CMOS Active Pixel Sensors
<b>10:20-10:50</b>	<b>Coffee</b>	
10:50-11:10	Moles Valls R.	Alignment of the ATLAS Inner Detector tracking system
11:10-11:30	Meier F.	Alignment of the CMS Silicon Tracker - and how to improve detectors in the future
11:30-12:00	Wermes N.	Summary Talk