



# VCI2016 - The 14th Vienna Conference on Instrumentation

## Tuesday, February 16, 2016

### Semiconductor Detectors: Radiation Hardness - E17 (2:00 PM - 3:40 PM)

-Conveners: Lutz Feld

time	[id] title	presenter
2:00 PM	[315] Radiation Hard Silicon Particle Detectors for HL-LHC – RD50 Status Report	TERZO, Stefano
2:25 PM	[44] Radiation hardness study of Silicon Detectors for the CMS High Granularity Calorimeter (HGCAL)	CURRAS RIVERA, Esteban
2:50 PM	[254] Surface effects in segmented silicon sensors	Dr SCHWANDT, Joern
3:15 PM	[412] LHCb VELO: Radiation Damage Effects and Operations in LHC Run 2	CARVALHO AKIBA, Kazu

### Semiconductor Detectors: Detector Systems - E17 (4:30 PM - 6:10 PM)

-Conveners: Markus Friedl

time	[id] title	presenter
4:30 PM	[382] The LHCb VELO Upgrade	HENNESSY, Karol
4:55 PM	[268] A new timing detector for the CT-PPS detector of CMS	ARCIDIACONO, Roberta
5:20 PM	[266] The Belle II SVD assembly and mechanics	BETTARINI, Stefano
5:45 PM	[227] The Silicon Tracking System of the CBM experiment at FAIR	Dr LYMANETS, Anton

# Wednesday, February 17, 2016

## Semiconductor Detectors: Miscellaneous - E17 (9:00 AM - 10:40 AM)

-Conveners: Giacomo Sguazzoni

time	[id] title	presenter
9:00 AM	[3] Summary of Medipix Technology's 3-Years in Space and Plans for Future Developments	Prof. PINSKY, Lawrence
9:25 AM	[426] Large area CNT-Si heterojunction for photodetection	ARAMO, Carla
9:50 AM	[76] Characterization of a large CdZnTe coplanar quad-grid semiconductor detector	THEINERT, Robert
10:15 AM	[135] First prototypes of two-tier avalanche pixel sensors for particle detection	PANCHERI, Lucio

## Semiconductor Detectors: Strip Detectors - E17 (11:30 AM - 12:45 PM)

-Conveners: Marko Dragicevic

time	[id] title	presenter
11:30 AM	[239] The ATLAS ITK strip detector - status of R&D	Dr GARCIA ARGOS, Carlos
11:55 AM	[29] Upgrades of the CMS outer tracker detector for the HL-LHC	SGUAZZONI, Giacomo
12:20 PM	[33] Exploring the quality of latest sensor prototypes for the CMS Outer Tracker Upgrade	KONIG, Axel

## Thursday, February 18, 2016

### Semiconductor Detectors: Pixel 1 - E17 (9:00 AM - 10:40 AM)

-Conveners: Doris Eckstein

time	[id] title	presenter
9:00 AM	[65] The Phase-1 Upgrade of the CMS Pixel Detector	KLEIN, Katja
9:25 AM	[26] Pixel Sensors with slim edges and small pitches for the CMS upgrades for HL-LHC	VERNIERI, Caterina
9:50 AM	[333] Thin hybrid pixel assembly fabrication development with backside compensation layer	MUNOZ SANCHEZ, Francisca
10:15 AM	[340] The NA62 GigaTracker	PERRIN-TERRIN, Mathieu

### Semiconductor Detectors: Diamonds - E17 (11:30 AM - 12:45 PM)

-Conveners: Doris Eckstein

time	[id] title	presenter
11:30 AM	[293] Test beam results of 3D detectors constructed with single-crystal and poly-crystalline diamond	BACHMAIR, Felix Caspar
11:55 AM	[372] Progress and questions about sCVD Diamond Detectors for Particle Tracking	Dr BROM, Jean-Marie

### Semiconductor Detectors: Pixel 2 - E17 (2:00 PM - 3:40 PM)

-Conveners: Thomas Bergauer

time	[id] title	presenter
2:00 PM	[160] From Vertex detectors to Inner Trackers with CMOS pixel sensors	PEREZ PEREZ, Luis Alejandro
2:25 PM	[345] Current development status of High Voltage and High Resistivity CMOS technology for high energy physics applications	KANISAUSKAS, Kestutis
2:50 PM	[226] Recent results with HV-CMOS and planar sensors for the CLIC vertex detector	ALIPOUR TEHRANI, Niloufar
3:15 PM	[113] The MuPix HV-MAPS system-on-chip for the Mu3e experiment	WIEDNER, Dirk

### Semiconductor Detectors: Pixel 3 (4:30 PM - 6:10 PM)

time	[id] title	presenter
4:30 PM	[133] A low mass vertically integrated pixel system for the HL-LHC	DA VIA, Cinzia
4:55 PM	[301] Improved Process Technologies in the SOI Pixel Detectors	ARAI, Yasuo
5:20 PM	[306] Performance of $M^{\text{O}}\text{NCH}$ , a 25- $\mu\text{m}$ pixel pitch detector for photon science	RAMILLI, Marco
5:45 PM	[389] The DEPFET Detector-Amplifier Structure for Spectroscopic Imaging in Astronomy and for Experiments at Free Electron Lasers	Dr LUTZ, Gerhard