

VC12022 - The 16th Vienna Conference on Instrumentation

Thursday, February 24, 2022

Semiconductor Detectors: Active Sensors 1 (9:00 AM - 10:40 AM)

-Conveners: Markus Friedl

time	[id] title	presenter
9:00 AM	A139] Silicon pixel-detector R&D for future lepton colliders	DANNHEIM, Dominik
9:25 AM	A118] Charge sensing properties of monolithic CMOS pixel sensors fabricated in a 65 nm technology	BUGIEL, Szymon
9:50 AM	A111] The Tangerine project: Development of high-resolution 65 nm silicon MAPS	WENNLÖF, Håkan
10:15 AM	A106] The MIMOSIS pixel sensor for the CBM Micro-Vertex Detector and beyond.	DOROKHOV, Andrei

Semiconductor Detectors: Active Sensors 2 (11:00 AM - 12:40 PM)

-Conveners: Joachim Josef Mnich

time	[id] title	presenter
11:00 AM	A134] Design and characterization of depleted monolithic active pixel sensors within the RD50 collaboration	SIEBERER, Patrick
11:25 AM	A119] Development and testing of a radiation-hard large electrode DMAPS design in a 150 nm CMOS process.	CAICEDO SIERRA, Ivan Dario
11:50 AM	A145] Recent results with radiation-tolerant TowerJazz 180 nm MALTA Sensors	LEBLANC, Matt
12:15 PM	A111] Development and characterization of a DMAPS chip in TowerJazz 180 nm technology for high radiation environments and its use case for the Belle II vertex detector upgrade	BESPIN, Christian

Semiconductor Detectors: Active Sensors 3 (2:00 PM - 3:40 PM)

-Conveners: Thomas Bergauer

time	[id] title	presenter
2:00 PM	A199] MONOLITH - picosecond time stamping capabilities in fully monolithic highly granular silicon pixel detectors	CARDELLA, Roberto
2:25 PM	A107] ARCADIA Fully Depleted MAPS in a 110-nm CMOS Process	DA ROCHA ROLO, Manuel Dionisio
2:50 PM	A152] CMOS SPAD Sensor Chip for the Readout of Scintillating Fibers	FISCHER, Peter
3:15 PM	A102] Performance Evaluation of Stitched Passive CMOS Strip Sensors	DIEHL, Leena

Semiconductor Detectors: Passive Sensors (4:00 PM - 5:40 PM)

-Conveners: Marko Dragicevic

time	[id] title	presenter
4:00 PM	A151] Present and future development of thin silicon sensors for extreme fluences	SOLA, Valentina

4:25 P	M161] The CMS Outer Tracker sensor production, status and first results	DAMANAKIS, Konstantinos
4:50 P	M159] Characterization of planar and 3D Silicon pixel sensors for the high luminosity phase of the CMS experiment at LHC	ZUOLO, Davide
5:15 P	M152] Wide-bandgap material SiC as high rate particle detector	GAGGL, Philipp

Friday, February 25, 2022

Semiconductor Detectors: Timing (9:00 AM - 11:00 AM)

-Conveners: Thomas Bergauer

time	[id] title	presenter
9:00 AM	[126] 4d-tracking, LGADs, and fast timing detectors	CARTIGLIA, Nicolo
9:45 AM	[222] Time resolution of silicon sensors	RIEGLER, Werner
10:10 AM	[208] Ion microbeam studies of charge transport in semiconductor radiation detectors with three-dimensional structure	Dr JAKSIC, Milko
10:35 AM	[95] A 4D diamond detector for HL-LHC and beyond	VELTRI, Michele

Semiconductor Detectors: Timing and LGADs (11:30 AM - 12:45 PM)

-Conveners: Kalliopi Kanaki

time	[id] title	presenter
11:30 AM	[112] Development of LGAD Sensors at FBK	CENTIS VIGNALI, Matteo
11:55 AM	[50] Time and space characterization of novel TI-LGAD structures	SENGER, Matias
12:20 PM	[20] First experimental results of the spatial resolution of RSD pad arrays read out with the FAST2 full custom 16-ch ASIC	SIVIERO, Federico