

VCI2022 - The 16th Vienna Conference on Instrumentation

Thursday 24 February 2022

Semiconductor Detectors: Active Sensors 1 (09:00 - 10:40)

-Conveners: Markus Friedl

time	[id] title	presenter
09:00	[239] Silicon pixel-detector R&D for future lepton colliders	DANNHEIM, Dominik
09:25	[318] Charge sensing properties of monolithic CMOS pixel sensors fabricated in a 65 nm technology	BUGIEL, Szymon
09:50	[71] The Tangerine project: Development of high-resolution 65 nm silicon MAPS	WENNLÖF, Håkan
10:15	[166] The MIMOSIS pixel sensor for the CBM Micro-Vertex Detector and beyond.	DOROKHOV, Andrei

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

-Conveners: Joachim Josef Mnich

time	[id] title	presenter
11:00	[234] Design and characterization of depleted monolithic active pixel sensors within the RD50 collaboration	SIEBERER, Patrick
11:25	[179] Development and testing of a radiation-hard large electrode DMAPS design in a 150 nm CMOS process.	CAICEDO SIERRA, Ivan Dario
11:50	[145] Recent results with radiation-tolerant TowerJazz 180 nm MALTA Sensors	LEBLANC, Matt
12:15	[171] 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 (14:00 - 15:40)

-Conveners: Thomas Bergauer

time	[id] title	presenter
14:00	[299] MONOLITH - picosecond time stamping capabilities in fully monolithic highly granular silicon pixel detectors	CARDELLA, Roberto
14:25	[207] ARCADIA Fully Depleted MAPS in a 110-nm CMOS Process	DA ROCHA ROLO, Manuel Dionisio
14:50	[352] CMOS SPAD Sensor Chip for the Readout of Scintillating Fibers	FISCHER, Peter
15:15	[32] Performance Evaluation of Stitched Passive CMOS Strip Sensors	DIEHL, Leena

Semiconductor Detectors: Passive Sensors (16:00 - 17:40)

-Conveners: Marko Dragicovic

time	[id] title	presenter
16:00	[151] Present and future development of thin silicon sensors for extreme fluences	SOLA, Valentina

16:25	[161] The CMS Outer Tracker sensor production, status and first results	DAMANAKIS, Konstantinos
16:50	[159] Characterization of planar and 3D Silicon pixel sensors for the high luminosity phase of the CMS experiment at LHC	ZUOLO, Davide
17:15	[252] Wide-bandgap material SiC as high rate particle detector	GAGGL, Philipp

Friday 25 February 2022

Semiconductor Detectors: Timing (09:00 - 11:00)

-Conveners: Thomas Bergauer

time	[id] title	presenter
09:00	[226] 4d-tracking, LGADs, and fast timing detectors	CARTIGLIA, Nicolo
09:45	[322] Time resolution of silicon sensors	RIEGLER, Werner
10:10	[268] Ion microbeam studies of charge transport in semiconductor radiation detectors with three-dimensional structure	Dr JAKSIC, Milko
10:35	[95] A 4D diamond detector for HL-LHC and beyond	VELTRI, Michele

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

-Conveners: Kalliopi Kanaki

time	[id] title	presenter
11:30	[132] Development of LGAD Sensors at FBK	CENTIS VIGNALI, Matteo
11:55	[50] Time and space characterization of novel TI-LGAD structures	SENGER, Matias
12:20	[20] First experimental results of the spatial resolution of RSD pad arrays read out with the FAST2 full custom 16-ch ASIC	SIVIERO, Federico