

8. Annual MT Meeting

Monday 26 September 2022

Detector Technologies and Systems - CSSB lecture hall (14:00 - 15:40)

-Conveners: Timo Christian (technical support); Silvia Masciocchi (chair)

time	[id] title	presenter
14:00	[55] Efficiency and spatial resolution of bent Monolithic Active Pixel Sensors measured with a 5.4 GeV electron beam	BLIDARU, Bogdan
14:20	[54] Characterisation of neutron irradiated Digital Pixel Test Structures produced in 65 nm TPSCo CMOS process	BECHT, Pascal
14:40	[56] The Tangerine Project: Monolithic Active Pixel Sensors in a 65 nm imaging process	DEL RIO VIERA, Manuel Alejandro
15:00	[57] MightyPix: An HV-CMOS pixel chip for LHCb's Mighty Tracker	SCHERL, Sigrid
15:20	[58] AstroPix: A novel HV-CMOS pixel sensor for space-based experiments	STRIEBIG, Nicolas

Detector Technologies and Systems - CSSB lecture hall (16:10 - 17:30)

-Conveners: Timo Christian (technical support); Bogdan Blidaru (chair)

time	[id] title	presenter
16:10	[59] Different applications of Low Gain Avalanche Detectors	ULRICH-PUR, Felix
16:30	[61] Time-of-Flight: From LGADs to Physics	EINHAUS, Ulrich
16:50	[62] Digital SiPMs for Tracking and Imaging Detector Applications	DIEHL, Inge
17:10	[63] Development of a High-rate HV-CMOS Sensor for Real-time Monitoring of a Medical Ion-beam	EHRLER, Felix

Tuesday 27 September 2022

Detector Technologies and Systems - University Lecture Hall (14:15 - 16:00)

-Conveners: Toko Hirono (technical support); Heinz Graafsma (chair)

time	[id] title	presenter
14:15	[64] Superconducting quantum sensors – enabling technology for next-generation physics experiments	KEMPF, Sebastian
14:35	[65] The ECHO superconducting detectors and DAQ-electronics: From proof-of-concept to full-scale system	MUSCHEID, Timo
14:55	[66] The Cryogenic Current Comparator (CCC): beam diagnostic at the CRYRING@ESR	SIEBER, Thomas
15:15	[67] Single event effect characterisation at GSI - towards an upgrade of the micro-beam line	KELLER, Oliver
15:35	[68] MALTA: A monolithic active pixel sensor for radiation harsh environments	BERLEA, Vlad Dumitru

Detector Technologies and Systems - University lecture hall (16:30 - 17:50)

-Conveners: Jose Alejandro Rubiera Gimeno (technical support); Oliver Keller (chair)

time	[id] title	presenter
16:30	[69] The Back-illuminated 2-Megapixel Soft X-ray Imager, PERCIVAL-P2M	MARRAS, Alessandro HIRONO, Toko HIRONO, Toko
16:50	[70] Development of CoRDIA: An Imaging Detector for next-generation Synchrotron Rings and Free Electron Lasers	TRUNK, Ulrich
17:10	[71] The Serenity platform, an ATCA DAQ and processing blade for the CMS Phase-2 upgrade	MEHNER, Torben
17:30	[72] High-Z X-ray detectors: Latest developments in material research	FIEDERLE, Michael FIEDERLE, Michael