Ultrafast Imaging and Tracking Instrumentation, Methods and Applications Conference (ULITIMA 2023)

Monday, 13 March 2023

Tracking: Tracking - 1 - Bldg 53 / Room 1320 - Panofsky Auditorium (13:50 - 15:40)

 -**Conveners: Lorenzo Rota**

time	[id] title	presenter
13:50	[25] The power of gaining and sharing: introducing internal gain and built-in charge sharing in silicon sensors	CARTIGLIA, Nicolo
14:20	[26] Advanced silicon tracking detector developments for the future Electron-Ion Collider	LI, Xuan
14:50	[30] New Developments in Low Gain Avalanche Diode Fabrication Technology	CENTIS VIGNALI, Matteo
15:20	[33] Design characterization of AC-coupled LGADs for high precision 4D tracking	MAZZA, Simone

Tuesday, 14 March 2023

Tracking: Tracking - 2 - Bldg 53 / Room 1320 - Panofsky Auditorium (14:25 - 16:05)

-Conveners: Ariel Schwartzman

time	[id] title	presenter
14:25	[31] A High-Granularity Timing Detector for the ATLAS Phase-II upgrade	GUINDON, Stefan
14:55	[8] A picosecond avalanche detector in SiGe BiCMOS	PAOLOZZI, Lorenzo
15:25	[7] TIMEPIX in 65nm, further exploring the sub-ps timing regime.	VARNER, Gary VARNER, Gary
15:45	[12] Photon and minimum ionizing particle detection with ultra fast Geiger mode APDs	RIIPICCINI, Emanuele

Wednesday, 15 March 2023

Tracking: Tracking - 3 - Bldg 53 / Room 1320 - Panofsky Auditorium (16:15 - 18:15)

-Conveners: Matteo Porro

time	[id] title	presenter
16:15	[67] Keynote - The Timepix chip family and its latest member, Timepix4	CAMPBELL, Michael
17:15	[28] Precision Timing with the CMS MIP Timing Detector	ARCIDIACONO, Roberta

Thursday, 16 March 2023

Tracking: Tracking - 4 - Bldg 53 / Room 1320 - Panofsky Auditorium (13:15 - 15:05)

  -Conveners: Richard Sandberg

time	[id] title	presenter
13:15	[29] Latest results on timing performance of silicon pixel detectors	BEOLE', Stefania
13:45	[48] Thin monolithic pixel sensors with fast operational amplifier output in a 65 nm imaging technology.	LIM, Bong-Hwi
14:05	[53] Test-beam performance results of the FASTPIX Sub-Nanosecond CMOS Pixel Sensor Demonstrator	BRAACH, Justus
14:25	[44] The Silicon Electron Multiplier	HALVORSEN, Marius
14:45	[59] Rapid, online screening of complex phase spaces using Bayesian Optimization for SAXS measurements	YOUNES, Khaled