

IFD 2025 - INFN Workshop on Future Detectors

Wednesday, 19 March 2025

Solid State Detectors (09:00 - 11:05)

-Conveners: Matteo Duranti; Lucio Pancheri; Francesco Moscatelli

time	[id] title	presenter
09:00	[102] Introduzione Convener	MOSCATELLI, Francesco PANCHERI, Lucio DURANTI, Matteo
09:20	[68] 3D-trench silicon pixels irradiated with neutron fluences up to 1018 1 MeV neq/cm2	VERDOGLIA, Michele
09:25	[48] Upgrading Belle II with Depleted CMOS MAPS – The OBELIX Innovation	GABRIELLI, Alice
09:30	[51] Latest results on the first monolithic CMOS LGAD implemented in 110 nm	GIOACHIN, Giulia
09:35	[20] Characterization of the 3D sensors for the ATLAS ITk Pixel	VENTURA, Matteo
09:40	[17] ARCADIA fully depleted MAPS sensor first test-beamresults	ZINGARETTI, Alessandra
09:45	[103] Discussione 1	
09:50	[19] Si-microstrip LGAD detectors for cosmic-ray space-borne instruments	Ms SAVINELLI, Martina
09:55	[12] Resistive Silicon Detector: 4D tracking with low electrode density	FERRERO, Marco CARTIGLIA, Nicolo' ARCIDIACONO, Roberta
10:00	[24] Innovations in the design of thin silicon sensors for extreme fluences	FERRERO, Marco
10:05	[56] Design of next-generation LGADs with TCAD tools	FONDACCI, Alessandro
10:10	[59] Hands-on activities with X-ray photon counting hybrid pixel detectors based on the Timepix4 ASIC	VELARDITA, Simone
10:15	[104] Discussione 2	
10:20	[65] Microcontroller-Based Readout System for Spectroscopic Applications	DEMENEV, Evgeny
10:25	[64] Detector-on-Flex Packaging for Spectroscopic Applications	DEMENEV, Evgeny
10:30	[93] The XGIS instrument for THESEUS Mission: Onboard Detector Principle and Readout Electronics	SRIVASTAVA, smiriti
10:35	[40] R&D on flexible packaging for SiliciSpazio	Dr NOVEL, David
10:40	[52] Qualification of the bump-bonding process in the ATLAS ITk pixel modules	RAVERA, Simone
10:45	[119] Nano-Imaging Trackers: A Novel Approach for High-Resolution Particle Detection	GALATI, Giuliana GALATI, Giuliana
10:50	[105] Discussione 3	
10:55	[106] Domande e commenti finali	