Workshop on Electronics for physics experiments and applications @INFN

Thursday, 6 March 2025

Solutions for fast timing and high frequency: ToF, particle tracking, deterministic applications (trigger systems-synchronization), large data throughput, high speed links) - Aula Magna Lingotto (14:00 - 15:40)

time	[id] title	presenter
14:00	[20] Sensors and electronics for extreme timing at extreme rates	LAI, Adriano
14:25	[21] Monolith Picosecond Avalanche Detector	KUGATHASAN, Thanushan
14:50	[22] High resolution timing applications from the LGAD side	CARTIGLIA, Nicolo
15:15	[23] Development of monolithic LGADs in 110nm CMOS: overview and perspectives	PANCHERI, Lucio

Solutions for fast timing and high frequency: ToF, particle tracking, deterministic applications (trigger systems-synchronization), large data throughput, high speed links) - Aula Magna Lingotto (16:20 - 18:05)

time	[id] title	presenter
16:20	[24] A flexible electronics and DAQ system for the Timepix4 and Medipix4 ASICs	BIESUZ, Nicolò
16:45	[25] The dRICH data acquisition system for ePIC: a general overview	FALCHIERI, Davide
17:10	[26] Monolithic (ASPIDES) and hybrid (ADA_5D) approach to the readout of avalanche diodes in high dynamic range applications	RATTI, Lodovico
17:35	[37] Roundtable Discussion: Q&A and Insight	