LIDINE 2025: LIght Detection In Noble Elements

Thursday, 23 October 2025

Signal reconstruction and identification (10:40 - 12:00)

-Conveners: Yongpeng Zhang

time	[id] title	presenter
10:40	[21] Optical modeling of pixelated digital SiPMs for ARGO	MOHARANA, Asish
11:00	[22] Reconstruction capabilities of the Photon Detection System of SBND	SANCHEZ-CASTILLO, Alejandro
11:20	[14] Machine Learning-Assisted Energy and Position Reconstruction in the Light-only Liquid Xenon (LoLX) experiment	LI, Xiang
11:40	[24] Imaging of scintillation light with Coded Aperture masks	CICERO, Valentina

Signal reconstruction and identification (13:20 - 15:00)

time	[id] title	presenter
13:20	[11] The low-energy ionization backgrounds in the PandaX-4T experiment	LI, Shuaijie
13:40	[9] Towards a $0\nu\beta\beta$ decay search in the LUX-ZEPLIN experiment: mitigating gamma-ray backgrounds	JACQUET, Elisa
14:00	[23] Modeling Background Rejection with the Liquid Argon Optical Instrumentation in LEGEND	PERTOLDI, Luigi
14:20	[13] Exploiting Event Topologies in Liquid Argon Scintillation Signals for Background Identification in LEGEND-200	DECKERT, Rosanna
14:40	[2] A Comprehensive Monte Carlo Simulation Tool on Electron Transport in Noble Gases and Liquids	CAO, Lei