18th "Trento" Workshop on Advanced Silicon Radiation Detectors

Tuesday 28 February 2023

LGAD: 1 - Aula Grande (16:15 - 17:55)

-Conveners: Nicolo Cartiglia

time	[id] title	presenter
16:15	[50] Advances in LGAD Technology for High Radiation Environments	SOLA, Valentina
16:35	[36] Performance studies of Low Gain Avalanche Detectors for the ATLAS High Granularity Timing Detector	CASTILLO GARCIA, Lucia
16:55	[22] Radiation tolerance study of LGADs for the CMS Encap TIming Layer detector	NAVARRETE RAMOS, Efren
17:15	[51] The observed effect of thermal expansion of plasma on dynamics of charge collection in LGAD	LASTOVICKA MEDIN, Gordana Prof. LASTOVICKA-MEDIN, Gordana
17:35	[47] Investigation on observed charge multiplication in no-gain multiped LGAD region within plasma formation and under low and high intensity injection using femtosecond laser at ELI	Prof. LASTOVICKA MEDIN, Gordana LASTOVICKA MEDIN, Gordana

Wednesday 1 March 2023

LGAD: 2 - Aula Grande (08:40 - 10:40)

-Conveners: Gregor Kramberger

time	[id] title	presenter
09:00	[20] Latest results on RSD2 performances, a lab update	MENZIO, Luca
09:20	[2] Spatial and timing resolution of RSD2 sensors measured at the DESY beam test facility	SIVIERO, Federico
09:40	[5] Improvement of timing resolution and radiation torelance for finely segmented AC-LGAD sensors	HARA, Kazuhiko
10:00	[56] First survey of centimeter-scale AC-LGAD strip sensors with a 120 GeV proton beam	MADRID, Christopher
10:20	[43] Performance study of very thin Low Gain Avalanche Detectors (LGADs) and investigation of the new “double LGAD” concept	STRAZZI, Sofia