



# The 39th RD50 Workshop (Valencia)

## Thursday, 18 November 2021

### LGAD - Low Gain Avalanche Diodes (09:10 - 18:40)

-Conveners: Salvador Hidalgo

time	[id] title	presenter
09:10	[1] Topics in LGAD designs	CARTIGLIA, Nicolo
09:30	[17] Before and after irradiation test results of the low gain avalanche diodes developed by IHEP in China	JIA, Xuewei
09:50	[38] Collected charge, gain and jitter measurement of unirradiated LGADs from Teledyne e2v	GAZI, Martin
10:10	[43] Timing Results of LGADs from Teledyne e2v using an Sr-90 Beta Source	MULVEY, Jonathan
10:30	[16] Response of Low Gain Avalanche Detector Prototypes to Gamma Radiation	SORENSEN, Josef Daniel
10:50	Coffee	
11:20	[61] Nicolo Part II - LGAD design	
11:40	[29] Time Resolution Studies of Low Gain Avalanche Detectors Fabricated at Micron Semiconductor Ltd.	MORIYA, Ryuji
12:00	[59] Timing measurements on neutron-irradiated LGADs in epitaxial wafers	ANTONIO VILLEGAS DOMINGUEZ, Jairo
12:20	[11] Performance studies of CNM LGADs on Si-Si and epitaxial wafers irradiated to extreme fluences up to $1e16$ neq/cm <sup>2</sup>	CASTILLO GARCIA, Lucia
12:40	[45] Status and first results of the "RD50 TI-LGAD" Project	PATERNOSTER, Giovanni
13:00	[6] TI-LGAD characterization using TCT setup at UZH	SENGER, Matias
13:20	Lunch	
14:40	[28] AC-coupled LGAD development by IHEP for future lepton collider	LIANG, Zhijun LI, Mengzhao
15:00	[20] Capacitance-voltage measurements on AC-LGADs	Dr OTT, Jennifer
15:20	[41] RSD2, the new production of AC-LGADs at FBK	MANDURRINO, Marco
15:40	[14] Present and future development of thin silicon sensors for extreme fluences	SOLA, Valentina
16:00	Coffee Break	
16:30	[42] Characterization of AC-LGAD sensors using the ALTIROC readout ASIC [US-afternoon]	D'AMEN, Gabriele
16:50	[47] Test Beam Measurements of BNL and HPK AC-LGADs	MADRID, Christopher
17:10	[19] Signal-sharing in AC-LGAD (RSD)	WONG, Marcus
17:30	[4] The Deep Junction LGAD: Concept and Progress [US - afternoon]	GEE, Carolyn
17:50	[52] Discussion: LGAD	PELLEGRINI, Giulio PELLEGRINI, Giulio KRAMBERGER, Gregor CARTIGLIA, Nicolo HIDALGO, Salvador