

January 2024 ePIC Collaboration Meeting

Tuesday, 9 January 2024

AC-LGAD: Detector Requirements and Status - E1100/E1200 (08:00 - 09:45)

-Conveners: Zhenyu Ye

time	[id] title	presenter
08:00	[154] Introduction (10')	YE, Zhenyu
08:10	[155] Barrel TOF (12'+3')	YANO, Satoshi
08:25	[156] Forward TOF (12'+3')	LI, Wei
08:40	[157] Far-forward AC-LGAD Detectors (20'+5')	JENTSCH, Alexander
09:05	[159] Luminosity tracker (12'+3')	GANGADHARAN, Dhevan
09:20	[160] Discussion (20')	

AC-LGAD: Sensor - E1100/E1200 (10:15 - 12:00)

-Conveners: Alessandro Tricoli

time	[id] title	presenter
10:15	[145] Experience with LGAD sensor development for CMS ETL (20'+5')	MADRID, Christopher
10:40	[146] AC-LGAD sensor production at BNL (10'+5')	GIACOMINI, Gabriele
10:55	[147] AC-LGAD sensor lab test (10'+5')	OTT, Jennifer
11:10	[148] AC-LGAD sensor beam test (10'+5')	NANDA, Shirsendu
11:25	[149] AC-LGAD sensor irradiation test (10'+5')	MAZZA, Simone
11:40	[150] Discussion	

AC-LGAD: ASIC and interconnection - E1100/E1200 (13:00 - 14:45)

-Conveners: Dominique Marchand

time	[id] title	presenter
13:00	[177] Experience with ASIC Development for CMS ETL (20+5')	Dr LIU, Ted
13:25	[178] EICROC (17+3')	DE LA TAILLE, Christophe
13:45	[179] FCFD (17+3')	APRESYAN, Artur APRESYAN, Artur
14:05	[180] Sensor-ASIC Interconnection (17+3')	BENOIT, Mathieu
14:25	[181] Discussion	

AC-LGAD: Electronics - E1100/E1200 (15:15 - 17:00)

-Conveners: Zhangbu Xu

time	[id] title	presenter
15:15	[182] Introduction (15+5')	LJUBICIC, Tonko

15:35	[183] Low-mass Kapton PCB (17+3')	HARTBRICH, Oskar
15:55	[184] Service Hybrid (17+3')	LI, Wei
16:15	[185] Backend electronics (17+3')	XU, Zhangbu
16:35	[186] Discussion (25')	

Wednesday, 10 January 2024

AC-LGAD: EICROC0 Demonstration - Clean Room (08:00 - 09:45)

-Conveners: Prithwish Tribedy

time	[id] title	presenter
08:00	[227] Demonstration	TRIBEDY, Prithwish

AC-LGAD: Detector Module - E1200 (13:00 - 14:15)

-Conveners: Matthew Gignac

time	[id] title	presenter
13:00	[151] BTOF Module assembly procedure and requirements	GIGNAC, Matthew
13:25	[152] FTOF Module assembly procedure and requirements	BENOIT, Mathieu
13:50	[153] Discussion	

AC-LGAD: Mechanical Structures and Cooling - E1200 (14:45 - 15:45)

-Conveners: Andreas Werner Jung

time	[id] title	presenter
14:45	[225] Status of barrel TOF plank / support design	KARMAKAR, Sushrut
15:05	[226] TOF Staves Prototype Simulation and Testing	YANG, Yi WANG, Yu-Tang
15:25	[228] TOF Support Structure & Next steps	JUNG, Andreas Werner