

CPAD Workshop 2022

Tuesday, 29 November 2022

WG7: Photon Detectors (incl. CCDs) - Theater (16:00 - 18:00)

-Conveners: Nepomuk Otte; Yordanka Ilieva; Flavio Cavanna

time	[id] title	presenter
16:00	[114] R\&D studies forward a SiPM-based readout for the dRICH detector at the EPIC experiment	ANTONIOLI, Pietro
16:20	[162] Stave-Oriented Photon Detector Readout with Event Waveform Recording	DEPTUCH, Grzegorz
16:40	[66] LoLX : Studying light in liquid xenon using SiPMs	REBEIRO, Bernadette Maria
17:00	[64] Light detection in DarkSide-20k with Silicon Photomultipliers	SAVARESE, Claudio
17:40	[82] Performance of Highly Irradiated SiPMs Coupled to LYSO:Ce Crystals for the CMS MTD Barrel Timing Layer	PEREZ LARA, Carlos

Wednesday, 30 November 2022

WG7: Photon Detectors (incl. CCDs) - Lecture Hall 1 (08:30 - 10:10)

-Conveners: Yordanka Ilieva; Flavio Cavanna; Nepomuk Otte

time	[id] title	presenter
08:30	[130] Assessing the performance of metalenses to enhance the light collection of silicon photomultipliers	Dr STANFORD, Chris
08:50	[77] Stimulated Light Emission of Silicon Photomultipliers Devices	MCCARTHY, D
09:10	[90] Novel multi-channel skipper-CCD packages for the OSCURA experiment	BOTTI, Ana Martina
09:30	[156] Recent developments for fast readout of Skipper-CCD sensors for particle physics and optical applications	FERNANDEZ MORONI, Guillermo
09:50	[155] Towards a 10 kg Skipper-CCD detector: the multiplexing analog electronics for the OSCURA experiment	CHAVEZ, CLAUDIO

WG7: Photon Detectors (incl. CCDs) - Lecture Hall 1 (13:35 - 15:35)

-Conveners: Flavio Cavanna; Nepomuk Otte; Yordanka Ilieva

time	[id] title	presenter
13:35	[88] Novel VUV Light Detection in a Pixelated Liquid Argon Time Projection Chambers	ASAADI, Jonathan
13:55	[96] The SBND photon detectors system	BLAKE, Andrew CASTILLO FERNANDEZ, Raquel ABRATENKO, Polina JONES, Rhiannon PANDEY, Vishvas
14:15	[163] Recent results from the pixel-based accelerated aging of Large Area Picosecond Photodetectors (LAPPD)	CHIRAYATH ET. AT., Varghese Anto
14:35	[124] Results on LAPPD 38 single photoelectron detection and measurements of charge cloud radius	MALACE, Simona
14:55	[69] Performance of MCP-PMT and LAPPD in Magnetic Field for RICH Detectors	XIE, Junqi
15:15	[153] 2D pixelated LAPPDs for Ring Imaging Cherenkov Detectors in High Energy and Nuclear Physics Experiments	KISELEV, Alexander

Thursday, 1 December 2022

WG7: Photon Detectors (incl. CCDs) - Room 201 (10:35 - 12:35)

-Conveners: Yordanka Ilieva; Nepomuk Otte; Flavio Cavanna

time	[id] title	presenter
10:35	[94] New developments in large area MCP-PMTs	LYASHENKO, Alexey
11:15	[102] Micro-Machined Vacuum Single Photon Photodetector with sub-ns time resolution, 100's MHz rates and high dynamic range	WINN, David
11:35	[113] The R&D of the MCP based PMTs for High Energy Physics Detectors	QIAN, Sen
11:55	[54] Tests of an MCP-PMT with an Active Ion Barrier	Prof. BRANDT, Andrew
12:15	[168] Following real-time biochemistry in live cell	PEREVERZEV, Sergey