

CPAD 2019 in Madison Wisconsin

Sunday, December 8, 2019

Photodetectors: Organic Scintillators - Meeting Rooms K-R (3:30 PM - 6:10 PM)

-Conveners: **Andrey Elagin; paul oconnor**

time	[id] title	presenter
3:30 PM	[M7] The Scientific Impact of Water-based Liquid Scintillator Hybrid Detectors	SVOBODA, Robert
3:50 PM	[M4] Characterization of water-based liquid scintillator	Prof. OREBI GANN, Gabriel Dr CARAVACA, Javier
4:10 PM	[M3] A low-background structural scintillator for rare event physics experiments	Dr FEBBRARO, Michael
4:30 PM	[M1] Lithium-doped PSD-capable Liquid Scintillator for the PROSPECT Experiment	Dr MUMM, Pieter
4:50 PM	[M9] PSD capable Plastic Scintillators with Li-6 Doping for neutron and reactor antineutrino detection	Dr LI, Viacheslav
5:10 PM	[M0] LiquidO: A Novel Detector Technique with Opaque Scintillator	Dr OCHOA-RICOUX, J. Pedro
5:30 PM	[M8] The Next Generation Crystal Detectors for future HEP Experiments	Dr ZHU, Ren-Yuan
5:50 PM	[M9] Progress on a photosensor for the readout of the fast scintillation component of BaF2	Prof. HITLIN, David

Monday, December 9, 2019

Photodetectors - Meeting Rooms K-R (1:30 PM - 4:10 PM)

-Conveners: paul oconnor; Junqi XIE; Andrey Elagin

time	[id] title	presenter
1:30 PM	[M1] Production of Large Area Picosecond Photo-Detectors – LAPPDTM : Status Update.	Dr LYASHENKO, Alexey
1:50 PM	[M1] Design of a Dual-Low/Ultra-High Vacuum Facility for Air-Transfer Production of Large-area High-resolution MCP-based Photodetectors at 100 units/week .	FRISCH, H.J.
2:10 PM	[M9] Application of MCP-PMT/LAPPD for EIC Particle Identification	XIE, Junqi
2:30 PM	[M7] Precision Time-of-Flight System using Large Area Picosecond Photodetectors at the Fermilab Test Beam Facility	ANGELICO, Evan
2:50 PM	[M0] Advanced Photon Detection in ANNIE for Next Generation Neutrino Experiments	Dr TIRAS, Emrah
3:10 PM	[M8] Development of Long Life Microchannel Plate Photomultiplier Tubes	Prof. BRANDT, Andrew
3:30 PM	[M4] NuDot: Fast Photodetectors for Double-Beta Decay with Direction Reconstruction	Dr GRUSZKO, Julieta
3:50 PM	[M1] Using Switchable Fluorescent Molecules to Image Tracks and Measure Energy in Large Liquid Double Beta Decay Detectors	SPIEGLAN, Eric

Tuesday, December 10, 2019

Photodetectors: Photodetectors - Meeting Rooms K-R (9:00 AM - 10:40 AM)

-Conveners: **Andrey Elagin; paul oconnor; Junqi XIE**

time	[id] title	presenter
9:00 AM	[M01] The Physics Potential of Advanced Reactor Neutrino Detectors	Prof. LITTLEJOHN, Bryce
9:20 AM	[M10] Design and Progress of the JUNO experiment	OCHOA-RICOUX, J. Pedro
9:40 AM	[M2] Cosmogenic Background Characterization with the PROSPECT Antineutrino Detector	Dr ZHANG, Xianyi
10:00 AM	[M1] Instrumentation for a Post-reionization Intensity Mapping Survey	OCONNOR, paul
10:20 AM	[SM] Fiber Positioners for Cosmic Surveys	Dr DIEHL, H. Thomas

Photodetectors: Photodetectors - Meeting Rooms K-R (11:00 AM - 12:30 PM)

-Conveners: **paul oconnor; Junqi XIE; Andrey Elagin**

time	[id] title	presenter
11:20 AM	[M3] Improving the light collection efficiency of silicon photomultipliers through the use of metalenses	Mr LOYA VILLALPANDO, Alvaro
11:40 AM	[M5] Nanoparticle-enhanced photosensors for UV light detection	Dr MAGILL, Stephen
12:00 PM	[M6] Novel Small-Gap Materials as Photodetectors	Prof. FILIPPINI, Jeffrey Dr KURINSKY, Noah