CPAD Instrumentation Frontier Workshop 2021

Thursday, 18 March 2021

Low background / Low threshold detectors (12:00 - 13:40)

-Conveners: Noah Kurinsky; Juan Estrada Vigil

time	[id] title	presenter
12:00	[134] Phonon-mediated High-voltage Detector with Background Rejection for Low-mass Dark Matter and Reactor Coherent Neutrino Scattering Experiments	MAHAPATRA, Rupak
12:20	[165] Contact-free readout concept and recent progress toward single-electron resolution large-mass semiconductor detectors	Prof. MIRABOLFATHI, Nader
12:40	[91] Novel Low Workfunction Semiconductors for Dark Matter, Neutrino Phenomena and x-ray Astronomy	WINN, David ONEL, Yasar
13:00	[201] Coherent Neutrino Nucleus Scattering at Reactors with Solid State Detector	FERNANDEZ MORONI, Guillermo
13:20	[135] Active Inner Veto for Improved Dark Matter Search and Neutrino Detection Sensitivity	JASTRAM, Andrew

Low background / Low threshold detectors (14:00 - 16:00)

-Conveners: Juan Estrada Vigil; Noah Kurinsky

time	[id] title	presenter
14:00	[103] Ba-tagging with fluorescence bicolor molecules for background-free \$0\nu\beta\beta decay experiment.	GONZÁLEZ MORENO, Rubén
14:20	[115] A Quasi-Monoenergetic Neutron Beam for Calibrating Dark Matter Detectors	CARON, Jean-François
14:40	[146] Measuring cosmogenic activation rates in active detector material	SALDANHA, Richard
15:00	[163] Dark side of afterglow: nuclear recoils and relaxation avalanches.	PEREVERZEV, Sergey
15:20	[202] Direct method for the quantitative analysis of surface contamination on ultra-low background materials from exposure to dust	DI VACRI, Maria Laura
15:40	[203] Low Background 3-D Printed Parts: Investigations into Producing Radiopure Polymer Materials Using Additive Manufacturing	ARNQUIST, Isaac