

CPAD 2019 in Madison Wisconsin

Sunday, December 8, 2019

Quantum and Superconducting Detectors - Hall of Ideas I (3:30 PM - 6:15 PM)

-Conveners: **juan estrada; Karl Berggren**

time	[id] title	presenter
3:30 PM	M134] MKIDs for CMB	ANDERSON, Adam
3:50 PM	M135] MKIDs and microwave spectrometry	
4:10 PM	M136] MKIDs for Visible and Near IR Wavelengths	MAZIN, Ben
4:30 PM	M133] Development of Large Scale CMB Detector Arrays at Argonne	CECIL, Tom
4:50 PM	M137] Readout for Multiplexed Superconducting detectors	CANCELO, Gustavo
5:10 PM	M103] Development of a Highly-Multiplexed TES Readout For Low Background Calorimeters	Dr JONATHAN, Ouellet
5:25 PM	M132] Fundamental Cosmology with Next-Generation Superconducting Millimeter-Wave Spectrometers	Dr KARKARE, Kirit
5:40 PM	M136] Superconducting Nanowire Single Photon Detectors For Optical Communication, QIS, and Fundamental Science	SHAW, Matthew
6:00 PM	M112] Skipper CCDs for Cosmological Applications	DRLICA-WAGNER, Alex

Tuesday, December 10, 2019

Quantum and Superconducting Detectors: Quantum and Superconducting Detectors - Hall of Ideas I (9:00 AM - 10:45 AM)

-Conveners: **juan estrada; Karl Berggren**

time	[id] title	presenter
9:00 AM	[M3] High-performance multilayer optical haloscope for a dark photon search	Dr CHILES, Jeffrey
9:20 AM	[M3] Superconducting nanowire single photon detectors and their performance in strong magnetic fields	Mr POLAKOVIC, Tomas
9:35 AM	[M3] Nanowire Detection of Photons from the Dark Side	Dr CHARAEV, Ilya
9:50 AM	[M5] Superconducting Nanowire Single Photon Detectors: Applications from the UV to mid-infrared	Dr VERMA, Varun
10:05 AM	[S0] Progress Towards Sub-eV Energy Thresholds with SuperCDMS Detectors	Dr KURINSKY, Noah
10:25 AM	[M2] Superconducting microwave resonator in a strong magnetic field for dark matter axion detection	Dr CHUNG, Woohyun

Quantum and Superconducting Detectors: Quantum and Superconducting Detectors - Hall of Ideas I (11:00 AM - 12:45 PM)

-Conveners: **juan estrada; Karl Berggren**

time	[id] title	presenter
11:00 AM	[M1] Microwave Photon Counting with Josephson Junctions	Prof. MCDERMOTT, Robert
11:20 AM	[M3] Superconducting Qubits for an Axion Search	DIXIT, Akash
11:40 AM	[M0] HeRALD: Dark Matter Direct Detection with Superfluid 4He	PINCKNEY, Harold
11:55 AM	[S0] Dark Matter and Fundamental Physics Searches using Atomic Magnetometers	Dr KIM, Young Jin