

CPAD Workshop 2023

Tuesday, 7 November 2023

RDC7: Session #1 (Low-Background Detectors) - 51/1-102 - Kavli Auditorium (16:00 - 18:00)

-Conveners: Noah Kurinsky; Daniel Baxter; Guillermo Fernandez Moroni

time	[id] title	presenter
16:00	[151] Dark sector searches with skipper-CCDs: current status and future ideas	CERVANTES VERGARA, Brenda Aurea
16:15	[70] Update on the status of the SENSEI Dark Matter Experiment	DAAL, Miguel
16:30	[174] Scintillating Crystals for Directional Detection of Sub-GeV Dark Matter	BAXTER, Daniel
16:45	[17] nEXO Low Background Techniques	MONG, Brian
17:00	[50] Progress and Plans for the TESSERACT Project	WILLIAMS, Michael
17:15	[107] Transition-edge sensors with multiplexing readout for the CUPID experiment.	SINGH, Vivek
17:30	[159] Non-linear kinetic inductance devices for dark matter searches	Dr BASU THAKUR, Ritoban
17:45	[48] A cryogenic witness detector for low-energy neutron backgrounds	VILLANO, Anthony

Wednesday, 8 November 2023

RDC7: Session #2 - 48/1-112C/D - Redwood C/D (16:00 - 18:05)

-Conveners: Daniel Baxter; Noah Kurinsky; Guillermo Fernandez Moroni

time	[id] title	presenter
16:00	[152] Nuclear recoil calibration for rare event searches	XU, Jingke
16:15	[183] Studying Correlated Charge Fluctuations in Superconducting Qubits in a Low-Background Underground Facility	MAGOON, Hannah
16:30	[145] Energy dissipation and phonon kinematics simulation in qubits with G4CMP	HERNANDEZ, Israel
16:45	[212] Characteristic Sensitivity and Dark Count Rate of a Low Tc Ir-Pt Bilayer Infared TES	REED, Maggie
17:00	[187] Cryogenic optical beam steering for calibration of superconducting sensors	TABASSUM, Noshin
17:15	[49] Ultra-low Background Flexible Cables	ARNQUIST, Isaac
17:30	[98] Radon Emanation at Cryogenic Temperatures	JACKSON, Chris
17:45	[23] An ICP-MS based monitoring methodology to inform dust radioactive backgrounds on detector materials	DI VACRI, Maria Laura