



# New Technologies for Discovery IV: The 2018 CPAD Instrumentation Frontier Workshop

## Sunday, 9 December 2018

### Parallel Session: Superconducting Detectors (13:30 - 15:30)

-Conveners: Peter Barry; Sherry Cho; John Mates

time	[id] title	presenter
13:30	[154] Searching for 10meV-1GeV Dark Matter with Athermal Phonon Detectors	Dr PYLE, matt
14:00	[151] DM Radio: An Optimized Search for Axion and Hidden-Photon Dark Matter	Mr CHAUDHURI, Saptarshi
14:30	[152] A scalable and experimentally verifiable photonic apparatus for dark photon detection with superconducting nanowire devices	CHILES, Jeffrey
15:00	[153] Development of Cryogenic Light Detectors for CUPID using an Ir/Pt transition edge sensor	Dr WELLIVER, Bradford

### Parallel Session: Superconducting Detectors (16:00 - 18:00)

-Conveners: Peter Barry; Sherry Cho; John Mates

time	[id] title	presenter
16:00	[144] Superconducting Detectors for Precision Cosmology	Dr AUSTERMANN, Jason
16:30	[137] SPT-3G: The Third-generation Camera on the South Pole Telescope	Dr NATOLI, Tyler
17:00	[20] Development of Antenna-Coupled Lumped-Element KID for CMB Observations	Ms TANG, Qing Yang
17:30	[87] Status of SuperSpec, the On-Chip Spectrometer	Mr WHEELER, Jordan

# Monday, 10 December 2018

## **Parallel Session: Superconducting Detectors: Parallel Session: Superconducting Detectors (10:30 - 12:30)**

**-Conveners: Peter Barry; Sherry Cho; John Mates**

time	[id] title	presenter
10:30	[54] Towards the Next Generation of Frequency-Multiplexed TES Readout	Dr DE HAAN, Tijmen
11:00	[145] Microwave SQUID multiplexing for high-energy physics experiments	BENNETT, Doug
11:30	[143] Highly-multiplexed microwave SQUID readout using the SLAC Microresonator Radio Frequency (SMuRF) Electronics for Future CMB and Sub-millimeter Surveys	Dr HENDERSON, Shawn
12:00	[138] Commercial Detector Readout Hardware	Dr BRYAN, Sean