



# CPAD Workshop 2023

## Tuesday, November 7, 2023

### Plenary - 51/1-102 - Kavli Auditorium (8:30 AM - 10:30 AM)

-Conveners: Noah Kurinsky

time	[id] title	presenter
8:30 AM	[231] Opening Remarks	KURINSKY, Noah
8:40 AM	[232] Introduction to CPAD and RDCs	MERKEL, Petra
8:52 AM	[270] Viewpoint of the RDCs from the DOE Program Manager for Detectors	MARSISKE, Helmut
9:00 AM	[233] Overview of DRDs in Europe	BERGAUER, Thomas
9:40 AM	[234] Detector Challenges for Future Colliders	ARTUSO, Marina

### Plenary - 51/1-102 - Kavli Auditorium (11:00 AM - 12:30 PM)

time	[id] title	presenter
11:00 AM	[235] Quantum Devices for HEP	IRWIN, Kent
11:40 AM	[236] Detectors for DUNE Phase 2	ASAADI, Jonathan

# Wednesday, November 8, 2023

## Plenary: Award Talks - 51/1-102 - Kavli Auditorium (8:30 AM - 10:33 AM)

time	[id] title	presenter
8:30 AM	[162] 2023 DPF Instrumentation Awards	MERKEL, Petra
8:35 AM	[160] 2023 DPF Instrumentation Award	SALTZBERG, David GORHAM, Peter
9:10 AM	[161] 2023 DPF Instrumentation Early Career Award	DWYER, Dan
9:45 AM	[163] 2023 GIRA Awards	KURINSKY, Noah
9:50 AM	[164] A Qubit Inspired Ion Sensor for Barium Tagging in Neutrinoless Double-Beta Decay Searches	NAVARRO, Karen
10:05 AM	[165] Development of Quantum Optomechanical Sensors for Dark Matter and Sterile Neutrino Searches	TSENG, Yu-Han
10:20 AM	[166] First Definitive Demonstration of Electron Counting in Three Dimensions	GHREAR, Majd

# Thursday, November 9, 2023

## Plenary: Early Career Talks - 51/1-102 - Kavli Auditorium (8:30 AM - 10:30 AM)

time	[id] title	presenter
8:30 AM	[13] Novel Quantum Materials and Sensing for Low Energy Event Detection	FINK, Caleb
8:50 AM	[68] The Fermilab and Illinois Express Quantum Networks — Synergies with HEP Science	PEÑA, Cristián
9:10 AM	[143] Skipper CCD-in-CMOS active pixel sensor: status and first characterization results	FERNANDEZ MORONI, Guillermo Dr ALCADE, Fabricio
9:30 AM	[94] Probing sub-GeV dark matter with superfluid helium	VELAN, Vetri
9:50 AM	[179] Thin film particle tracking detectors	KIM, Sungjoon
10:10 AM	[242] SiPM for the Tile Calorimeter Insert	ARRATIA, Miguel

# Friday, November 10, 2023

**Plenary: Memorial Symposium for Gary Varner - 51/1-102 - Kavli Auditorium (11:00 AM - 11:30 AM)**

**-Conveners: Peter Orel; Oskar Hartbrich**

**Plenary: Closeout - 51/1-102 - Kavli Auditorium (11:30 AM - 12:15 PM)**

time	[id] title	presenter
11:30 AM	[272] Workshop Summary and Next Steps	ASAADI, Jonathan MERKEL, Petra