

Session Program

Nov 7 - 10, 2023



CPAD Workshop 2023

RDC3+4+11

SLAC, 51/1-102 - Kavli Auditorium
2575 Sand Hill Rd, Menlo Park, CA 94025, USA

Wed, November 8

11:00 AM

RDC3+4+11: Session #1

Session | **Location:** SLAC, 53/1-1350-A - Trinity-A | **Conveners:**
Mitch Newcomer, Matthew Wetstein, Anthony Affolder, Gabriele Giacomini, Angelo Dragone, Sally Seidel

11:00 - 11:15 AM **AstroPix: Low Power CMOS Detectors**

Speaker
Jessica Metcalfe

11:15 - 11:30 AM **MAPS R&D for tracking and calorimetry at future e+e- colliders**

Speaker
Caterina Vernieri

11:30 - 11:45 AM

Design of the NAPA Prototypes Towards Large Area Sensors for Future e+e- Colliders

Speaker
Alexandre Habib

11:45 AM - 12:00 PM **Integrated CMOS sensor r&d for future colliders**

Speaker
Nicola Bachetta

12:00 - 12:15 PM **3D Integrated Sensing Solutions**

Speaker
Artur Apresyan

12:15 - 12:30 PM **Discussion of Commonalities (MAPs)**

Speakers
Anthony Affolder, Sally Seidel

12:30 PM

Thu, November 9

4:00 PM

RDC3+4+11: Session #2

Session | **Location:** SLAC, 53/1-1350-A - Trinity-A | **Conveners:**
Matthew Wetstein, Mitch Newcomer, Angelo Dragone, Gabriele Giacomini, Anthony Affolder, Sally Seidel

4:00 – 4:15 PM

Investigation of low gain avalanche detectors exposed to proton fluences beyond $10^{15}; n_{eq} cm^{-2}$

Speaker

Jiahe Si

4:15 – 4:30 PM

First survey of centimeter-scale AC-LGAD strip sensors with a 120 GeV proton beam

Speakers

Artur Apresyan, Cristian Pena, Si Xie

4:30 – 4:45 PM

Development of AC-LGADs for near-future Higgs factories and nuclear physics experiments

Speaker

Jennifer Ott

4:45 – 5:00 PM

A high-granularity timing active target for the PIONEER experiment

Speaker

Adam Molnar

5:00 – 5:15 PM

InAs/GaAs Quantum Dot Scintillator for 4D Tracking Applications

Speaker

Tushar Mahajan

5:15 – 5:30 PM

Investigating the impact of 4D tracking in ATLAS beyond Run 4

Speaker

Ariel Schwartzman

5:30 – 5:45 PM

The Development of Silicon Carbide Low Gain Avalanche Detector

Speaker

Tao Yang

5:45 – 6:00 PM

Discussion of Commonalities (Timing)

Speakers

Anthony Affolder, Sally Seidel

6:00 PM