

Session Program

7-10 Oct 2025



CPAD 2025 at Penn

RDC 3 Solid State Tracking

Inn at Penn, University of Pennsylvania
3600 Sansom Street, Philadelphia, Pa 19104

Wednesday 8 October

11:00

RDC 3 Solid State Tracking

Session | **Location:** Inn at Penn, University of Pennsylvania, 3600 Sansom Street, Philadelphia, Pa 19104 |
Conveners: Tony Affolder, Sally Seidel

11:00–11:20

Evidence for mitigated thermal stress with interposers in extended thermocycling of ATLAS ITk strip modules

Speaker

Jesse Liu

11:20–11:40

α , β pulse shape discrimination in silicon detectors

Speaker

Louis Varriano

11:40–12:00

4D Pixel Detector Demonstrator Project

Speaker

Timon Heim

12:00–12:20

Machine-Detector Interface for the MAIA Detector at a 10 TeV Muon Collider

Speaker

Benjamin John Rosser

12:20–12:40

MAIA: A Detector Concept for a 10 TeV Muon Collider

Speaker

Rose Powers

12:40

Thursday 9 October

11:00

RDC 3 Solid State Tracking

Session | **Location:** Inn at Penn, University of Pennsylvania, 3600 Sansom Street, Philadelphia, Pa 19104

11:00–11:20

Thin Film Detectors

Speaker

Jessica Metcalfe

11:20–11:40

InAs/GaAs Semiconductor Quantum Dot Scintillation Detector: Real and Projected Performance for 4D Tracking

Speaker

Michael Hedges

11:40–12:00

Radiation-Hard Ga_2O_3 Solid-State Detectors for Extreme Environments in High-Energy Physics

Speaker

Ge Yang

12:00–12:20

Time Resolution Studies of 4H-SiC LGADs for Fast Timing Applications

Speaker

Tao Yang

12:30