

Session Program

7-10 Oct 2025



CPAD 2025 at Penn

SHARED SESSION II

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

Thursday 9 October

14:00

SHARED SESSION II: RDC 4&5 ASICS & TDAQ

Session | **Location:** St Marks | **Conveners:**

Lorenzo Rota, Mitchell Franck Newcomer, Jinlong Zhang, Zeynep Demiragli

14:00–14:20

Aligning data to better than one picosecond.

Speaker

Roger Rusack

14:20–14:40

Generic Hardware Platform for future high-bandwidth detector readout

Speaker

Shaochun Tang

14:40–15:00

SparsePixels: Efficient Convolution for Sparse Data on FPGAs

Speaker

Ho Fung Tsoi

15:00–15:20

On-sensor regression of particle kinematics

Speaker

Jennet Elizabeth Dickinson

15:20–15:40

PQuant: Streamlining ML Model Compression to Deployment for Next-Gen Detector Systems

Speaker

Arghya Ranjan Das

16:00