

Session Program

Oct 7 - 10, 2025



CPAD 2025 at Penn

Plenary

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

Tue, October 7

9:00 AM

Plenary: Introduction

Session | **Location:** Woodlands AB | **Convener:** Evelyn Jean Thomson

9:00 - 9:15 AM

Welcome from Dean of the School of Arts & Sciences at the University of Pennsylvania

Speaker

Mark Trodden

9:15 - 9:30 AM

Guest 2

9:30 - 9:45 AM

Welcome from Local Organizing Committee

Speaker

Evelyn Jean Thomson

9:45 - 10:15 AM

CPAD Introduction and Updates

Speakers

Jinlong Zhang, Jonathan Asaadi

10:30 AM

11:00 AM

Plenary: Instrumentation Overview

Session | **Location:** Woodlands AB | **Conveners:** Jonathan Asaadi, Jinlong Zhang

11:00 - 11:25 AM

ESPPU and DRDs

Speaker

Thomas Bergauer

11:25 - 11:49 AM

National Initiatives: Microelectronics

Speaker

Maurice Garcia-Sciveres

11:50 - 11:51 AM

DOE Remarks

Speaker

Dr HELMUT MARSISKE

11:55 - 11:56 AM

NSF Remarks

12:00 - 12:30 PM

Q&A

12:30 PM

Wed, October 8

8:45 AM

Plenary: National Initiatives

Session | **Location:** Woodlands AB | **Convener:** Mitchell Franck Newcomer

8:45 - 9:09 AM

National AI Initiatives and Opportunities in HEP Instrumentation

Speaker

Shih-Chieh Hsu

9:10 - 9:34 AM

National Initiatives: QIS

Speaker

Silvia Zorzetti

9:35 - 9:59 AM

HEP Facility Status and Needs

Speaker

Gabriella Carini

10:00 - 10:24 AM

HEP Instrumentation at U Penn

Speakers

Brig Williams, Hugh Williams

10:30 AM

Thu, October 9

9:00 AM

Plenary: Early Career Research

Session | Location: Woodlands AB | Convener: Ira Joseph Kroll

9:00 - 9:15 AM

Characterization of Low Gain Avalanche Diodes Using Diverse Particle Beams

Speaker

Mohamed Hijas Mohamed Farook

9:15 - 9:30 AM

Towards 6D Tracking: using fast-timing to determine track position, time, and angles

Speaker

Victor Turbiner

9:30 - 9:45 AM

Development of the novel 3D-projection opaque liquid scintillator calorimeter

Speaker

Guang Yang

9:45 - 10:00 AM

Migration of feature extraction from firmware to software for the Belle II TOP detector

Speaker

Harsh Purwar

10:00 - 10:15 AM

Progress of the TESSERACT Dark Matter Experiment

Speaker

William Matava

10:15 - 10:30 AM

The QUAntum Limited PHotons In the Dark Experiment

Speaker

Ritoban Basu Thakur

10:30 - 10:32 AM

Photo before 2pm and banquet at 6:30pm

Speakers

Evelyn Jean Thomson, Jinlong Zhang, Jonathan Asaadi

10:32 AM

Fri, October 10

9:00 AM

Plenary: High Priority Big Projects
 Session | Location: Woodlands AB | Convener: Sally Seidel

9:00 - 9:22 AM DUNE Phase-2 Detector R&D
Speaker
 Brooke Russell

9:22 - 9:47 AM US HFCC PED
Speaker
 Liza Brost

9:47 - 10:10 AM Muon Collider PED R&D
Speaker
 Isobel Ojalvo

10:10 - 10:35 AM ePIC
Speaker
 Oskar Hartbrich

10:35 AM

11:05 AM

Plenary: Award ceremony, RDC Highlights, Closeout
 Session | Location: Woodlands AB | Conveners: Jonathan Asaadi, Jinlong Zhang

11:05 - 11:30 AM GIRA Award: Olivia Seidel
Speaker
 Olivia Seidel

11:30 - 11:55 AM GIRA Award: Earl Almazan
Speaker
 Earl Russell Tang Almazan

11:55 AM - 12:30 PM Poster Award / RDC Highlights / Closeout
Speaker
 Jonathan Asaadi

1:00 PM