Session Program

Jun 8 – 13, 2025

# 15th Conference on the Intersections of Particle and Nuclear Physics (CIPANP 2025) Madison Wisconsin June 9-13

## *Plenary*

# Mon, June 9

8:15 AM

## Plenary: Planary 1 (Memorial Union, Great Hall)

**Session** | **Convener:** Baha Balantekin

8:15 – 8:30 AM **Introduction**

**Speakers**
Baha Balantekin, Kate Scholberg

8:30 – 9:00 AM **Recent highlights in SM + Higgs Results from the LHC**

**Speaker**
Alexander Khanov

9:00 – 9:30 AM **Short Range Correlation: Current status and the path forward**

**Speaker**
Prof. Dien Nguyen

9:30 – 10:00 AM **Probing stellar enrichment with modern tools and refined nuclear data**

**Speaker**
Nicole Vassh

10:00 AM

10:30 AM

## Plenary: Plenary 2 (Memorial Union, Great Hall)

**Session** | **Convener:** Baha Balantekin

10:30 – 11:00 AM **Hyperfine structure of anti-hydrogen at ALPHA**

**Speaker**
Simone Stracka

11:00 – 11:30 AM **New Cosmology Maps and Results from ACT DR6**

**Speakers**
Samuel Goldstein, Zachary Atkins

11:30 AM – 12:00 PM **Direct Dark Matter Detection with Noble Liquids**

**Speaker**
Hugh Lippincott

12:00 PM

# Tue, June 10

8:30 AM

## Plenary: Plenary 3 (Memorial Union, Great Hall)

**Session** | **Convener:** Jim Kneller

8:30 – 9:00 AM **PRad-II and the Proton Radius Puzzle**

**Speaker**
Tyler Hague

9:00 – 9:30 AM **The Search for Light Dark Matter with DAMIC-M**

**Speaker**
Paolo Privitera

9:30 – 10:00 AM **The latest results from the MEG II experiment**

**Speaker**
Toshiyuki Iwamoto

10:00 AM

10:30 AM

## Plenary: Plenary 4 (Memorial Union, Great Hall)

**Session** | **Convener:** Jim Kneller

10:30 – 11:00 AM **Status Report on Short-Baseline Anomalies in Neutrino Physics**

**Speaker**
Prof. Bryce Littlejohn

11:00 – 11:30 AM **Recent Results from Phase-III of the BeEST Experiment**

**Speaker**
Kyle Leach

11:30 AM – 12:00 PM
**Progress Toward the Discovery of the New Element E120 at Lawrence Berkeley National Laboratory**

**Speaker**
Jennifer Pore

12:00 PM

# Wed, June 11

8:15 AM

## Plenary: Plenary 5 (Memorial Union, Great Hall)

**Session** | **Convener:** Nadia Fomin

8:15 – 8:45 AM **Permanent Electric Dipole Moments as probes of Fundamental Symmetries**

**Speaker**
Skyler Degenkolb

8:45 – 9:15 AM **Muon-to-electron conversion in nuclei: Effective theory and new experimental signals**

**Speaker**
Evan Rule

9:15 – 9:45 AM **First Experiments with the FDSi at FRIB**

**Speaker**
James Allmond

9:45 – 10:15 AM **Latest Results from the Muon g−2 Experiment at Fermilab**

**Speaker**
Esra Barlas-Yucel

10:15 AM

10:45 AM

## Plenary: Plenary 6 (Memorial Union, Great Hall)

**Session** | **Convener:** Susan Gardner

10:45 – 11:15 AM **The Simons Observatory**

**Speaker**
Maximiliano Silva-Feaver

11:15 – 11:45 AM **Tracking the baryon number with nuclear collisions**

**Speaker**
Chun Yuen Tsang

11:45 AM – 12:15 PM **Overview of High-Energy Neutrinos at Colliders**

**Speaker**
Dennis Soldin

12:15 PM

# Thu, June 12

8:20 AM

## Plenary: Plenary 7 (Memorial Union, Great Hall)

**Session** | **Convener:** Ed Kearns

8:20 – 8:50 AM **Modern Neutrino Oscillation Theory**

**Speaker**
Peter Denton

8:50 – 9:20 AM **Ultra-peripheral collisions: the energy frontier for photon physics**

**Speaker**
Dr Spencer Klein

9:20 – 9:50 AM **UHECR production in binary neutron star mergers: evidence and predictions**

**Speaker**
Glennys Farrar

9:50 AM

10:10 AM

## Plenary: Plenary 8 (Memorial Union, Great Hall)

**Session** | **Convener:** Steve Elliott

10:10 – 10:40 AM **Recent highlights in BSM Searches from the LHC**

**Speaker**
Shivani Lomte

10:40 – 11:10 AM **Electromagnetic and Neutrino Emission Landscape of Interacting Supernovae**

**Speaker**
Dr Tetyana Pitik

11:10 – 11:30 AM **DESI DR2: New Cosmological Constraints and Challenges to the ΛCDM Model**

**Speaker**
Uendert Andrade

11:30 – 11:50 AM
**Observation of the $K^{+}\rightarrow\pi^{+}\nu\bar{\nu}$ decay and measurement of its branching ratio**

**Speaker**
Peter Cooper

12:10 PM