Session Program

Jun 8 – 13, 2025

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

Tests of Symmetries and the Electroweak Interaction

Mon, June 9

1:30 PM

Tests of Symmetries and the Electroweak Interaction: Parallel 1

Session | **Location:** Beefeaters | **Convener:** Jason fry

1:30 – 1:50 PM

The EDM of the electron in the decoupling limit of the aligned 2HDM

Speaker
Luiz Vale Silva

1:50 – 2:10 PM

nEDMSF - a new cryogenic search for the neutron electric dipole moment

Speaker
Paul Huffman

2:10 – 2:30 PM

Recent progress on the TRIUMF UltraCold Advanced Neutron source and EDM experiment

Speaker
Wolfgang Schreyer

3:00 PM

Tue, June 10

7:00 PM

Tests of Symmetries and the Electroweak Interaction: Parallel 9

Session | **Location:** Pan Hellenic | **Convener:** William Terrano

7:00 – 7:20 PM

Towards Decay Recoil Spectroscopy in Short Lived Isotopes: Prospects and Commissioning the SALER Experiment

Speaker
Connor Bray

7:20 – 7:40 PM

Ongoing Upgrades to the Radium-225 EDM Experiment

Speaker
Gordon Arrowsmith-Kron

7:40 – 8:00 PM

The FRIB-EDM3 Experiment: Designing a measurement protocol for CP-violation searches using radioactive molecules in solids

Speaker
Nicholas Nusgart

8:00 – 8:20 PM

The FRIB-EDM3 Molecular Ion Source: Designing An Efficient Radioactive Molecule Source For Tests Of Fundamental Symmetries

Speaker
Aiden Boyer

8:30 PM

Wed, June 11

2:00 PM

Tests of Symmetries and the Electroweak Interaction: Parallel 5: Joint Symmetries-EW/HF-CKM

Session | **Location:** Old Madison | **Convener:** Fred Wietfeldt

2:20 – 2:40 PM

Nab (Neutron a and b): A High Precision Free Neutron Beta Decay Experiment at the Spallation Neutron Source

Speaker
Love Richburg

2:40 – 3:00 PM

The PNab Experiment: Angular Correlation Measurements with Polarized Neutrons

Speaker
Albert Young

3:00 – 3:20 PM

Ab initio Nuclear Structure Calculations for Improving Limits on Tensor Currents in the Weak interaction

Speaker
Grigor Sargsyan

3:30 PM

4:00 PM

Tests of Symmetries and the Electroweak Interaction: Parallel 6

Session | **Location:** Capital View | **Convener:** Jason fry

4:00 – 4:20 PM

The Fermi Function, Factorization and the Neutron's Lifetime

Speaker
Peter Vander Griend

4:20 – 4:40 PM

Latest neutron lifetime measurement using magneto-gravitational trap

Speaker
Maninder Singh

4:40 – 5:00 PM

The BL3 Beam Neutron Lifetime Experiment

Speaker
Fred Wietfeldt

5:00 – 5:20 PM

Unique forbidden beta decays at zero momentum transfer

Speaker
Ayala Glick-Magid

5:30 PM

Thu, June 12

4:00 PM

Tests of Symmetries and the Electroweak Interaction: Parallel 8: Joint with HF-CKM

Session | **Location:** Pan Hellenic | **Convener:** Paul Huffman

4:00 – 4:20 PM **Physics with the Helicity-flip Suppressed, Transverse Asymmetries in Bhabha Scattering**

Speaker
David Mack

4:20 – 4:40 PM **Renormalization of beta decay at three loops and beyond**

Speaker
Richard Hill

4:40 – 5:00 PM **Nuclear-Structure Corrections in Superallowed Beta Decay**

Speaker
Sam Novario

5:00 – 5:20 PM **Radiative corrections to proton-proton fusion in pionless EFT**

Speaker
Evan Combes

5:30 PM