

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

Monday, June 9, 2025

Tests of Symmetries and the Electroweak Interaction: Parallel 1 (1:30 PM - 3:00 PM)

-Conveners: Jason fry

time	[id] title	presenter
1:30 PM	[28] The EDM of the electron in the decoupling limit of the aligned 2HDM	VALE SILVA, Luiz
1:50 PM	[156] nEDMSF - a new cryogenic search for the neutron electric dipole moment	HUFFMAN, Paul
2:10 PM	[116] Recent progress on the TRIUMF UltraCold Advanced Neutron source and EDM experiment	SCHREYER, Wolfgang

Tuesday, June 10, 2025

Tests of Symmetries and the Electroweak Interaction: Parallel 9 (7:00 PM - 8:30 PM)

-Conveners: William Terrano		
time	[id] title	presenter
7:00 PM	[106] Towards Decay Recoil Spectroscopy in Short Lived Isotopes: Prospects and Commissioning the SALER Experiment	BRAY, Connor
7:20 PM	[223] Ongoing Upgrades to the Radium-225 EDM Experiment	ARROWSMITH-KRON, Gordon
7:40 PM	[104] The FRIB-EDM3 Experiment: Designing a measurement protocol for CP-violation searches using radioactive molecules in solids	NUSGART, Nicholas
8:00 PM	[142] The FRIB-EDM3 Molecular Ion Source: Designing An Efficient Radioactive Molecule Source For Tests Of Fundamental Symmetries	BOYER, Aiden

Wednesday, June 11, 2025

Tests of Symmetries and the Electroweak Interaction: Parallel 5: Joint Symmetries-EW/HF-CKM (2:00 PM - 3:30 PM)**-Conveners: Fred Wietfeldt**

time	[id] title	presenter
2:20 PM	[22] Nab (Neutron a and b): A High Precision Free Neutron Beta Decay Experiment at the Spallation Neutron Source	RICHBURG, Love
2:40 PM	[86] The PNab Experiment: Angular Correlation Measurements with Polarized Neutrons	YOUNG, Albert
3:00 PM	[52] Ab initio Nuclear Structure Calculations for Improving Limits on Tensor Currents in the Weak interaction	SARGSYAN, Grigor

Tests of Symmetries and the Electroweak Interaction: Parallel 6 (4:00 PM - 5:30 PM)**-Conveners: Jason fry**

time	[id] title	presenter
4:00 PM	[33] The Fermi Function, Factorization and the Neutron's Lifetime	VANDER GRIEND, Peter
4:20 PM	[50] Latest neutron lifetime measurement using magneto-gravitational trap	SINGH, Maninder
4:40 PM	[4] The BL3 Beam Neutron Lifetime Experiment	WIETFELDT, Fred
5:00 PM	[88] Unique forbidden beta decays at zero momentum transfer	GLICK-MAGID, Ayala

Thursday, June 12, 2025

Tests of Symmetries and the Electroweak Interaction: Parallel 8: Joint with HF-CKM (4:00 PM - 5:30 PM)

-Conveners: Paul Huffman

time	[id] title	presenter
4:00 PM	[212] Physics with the Helicity-flip Suppressed, Transverse Asymmetries in Bhabha Scattering	MACK, David
4:20 PM	[57] Renormalization of beta decay at three loops and beyond	HILL, Richard
4:40 PM	[153] Nuclear-Structure Corrections in Superaligned Beta Decay	NOVARIO, Sam
5:00 PM	[214] Radiative corrections to proton-proton fusion in pionless EFT	COMBES, Evan