

PAINT2026 - Workshop on Progress in Ab Initio Nuclear Theory

Wednesday, 25 February 2026

Poster Jamboree (14:30 - 15:30)

-Conveners: Gaute Hagen

time	[id] title	presenter
14:30	[35] Two-Photon exchange correction for Boron 10	ARAUJO NAJERA, Diego
14:40	[36] Lanczos Method for Strength Functions in Even-A Helium	BAKER, Scott
14:50	[37] In-Medium Generator Coordinate Method with Explicit Quasiparticle Excitations	BLADE, Shane
15:00	[38] Correlated mass model for calcium isotopes	CINCAR, Max
15:10	[39] Emulating the Magnus Formulation of IMSRG	CLARK, Ben
15:20	[52] Ab Initio Nuclear Theory for New Physics at the Electroweak Scale	MASSMANN, Leah

Poster Jamboree (16:00 - 16:10)

-Conveners: Gaute Hagen

time	[id] title	presenter
16:00	[50] Uncertainty quantification and emulators with low-resolution nuclear forces	PLIES, Tom

Thursday, 26 February 2026

Poster Jamboree (15:30 - 17:00)

-Conveners: Calvin Johnson

time	[id] title	presenter
15:30	[41] Probing Beyond the Standard Model with Beta Decay and Electron Capture	DUMENIL, Victor
15:40	[42] Equation of Motion (EOM) Extensions of the In-Medium Similarity Renormalization Group (IMSRG)	GAJDOSIK, Michael
15:50	[43] Improved ANNs for NCSM Charge Radius Calculations	GESSER, Tobias
16:00	[44] Ab initio calculations of proton and neutron scattering on ^{12}C	KODAR HURLBUT, Marshall
16:10	[45] Collective Excitations in Open-Shell Nuclei: Strength Functions in the In-Medium CI	MÜLLER, Michelle
16:20	[46] Application of ab initio in nuclear theory to electroweak processes	KHOA NGUYEN, Hoang Dang
16:30	[47] Light Sterile Neutrino Contributions to Neutrinoless Double-beta Decay	SHICKELE, Taiki
16:40	[48] Neutrinoless Double-Beta Decay Nuclear Matrix Elements from an Approximation to IMSRG(3)	TODD, Alex
16:50	[49] Advances in the In-Medium Active-Space CI	WENZ, Cedric