

PAINT2026 - Workshop on Progress in Ab Initio Nuclear Theory

Tuesday, 24 February 2026

Morning Talks (09:00 - 10:30)

-Conveners: Petr Navratil

time	[id] title	presenter
09:00	[2] Introduction	NAVRATIL, Petr
09:30	[3] Chiral Nuclear Forces with Gradient Flow Regulator	KREBS, Hermann
10:00	[11] Light hypernuclei based on chiral baryon-baryon and three-baryon forces	NOGGA, Andreas

Morning Talks (11:00 - 12:30)

-Conveners: Petr Navratil

time	[id] title	presenter
11:00	[28] Emulating light hypernuclei for calibration of hypernuclear interactions	GAZDA, Daniel
11:30	[22] Exploring quark mass dependent three-nucleon forces in medium-mass nuclei	VERNIK, Urban
12:00	[21] Subleading three-body contacts in light nuclei	PALKANOGLU, Georgios

Wednesday, 25 February 2026

Morning Talks (09:00 - 10:30)

-Conveners: Jason Holt

time	[id] title	presenter
09:00	[12] ARIEL at the Finish Line: Delivering TRIUMF's Next-Generation RIB Capabilities	GOTTBERG, Alexander
09:30	[13] From light nuclei to neutron stars	GEZERLIS, Alex
10:00	[4] Recent progress in NLEFT	MEISSNER, Ulf-G.

Morning Talks (11:00 - 12:30)

-Conveners: Jason Holt

time	[id] title	presenter
11:00	[9] Violating parity in the IMSRG	BELLEY, Antoine
11:30	[30] Neutron-rich matter from chiral EFT, experiments, and observations	SCHWENK, Achim
12:00	[14] Two-body currents at finite momentum transfer and applications to dark matter scattering off nuclei	BRASE, Catharina

Thursday, 26 February 2026

Morning Talks (09:00 - 10:30)

-Conveners: Achim Schwenk

time	[id] title	presenter
09:00	[7] Developments of a hybrid Gorkov-Dyson SCGF formalism and Monte Carlo based methods in nuclei	BARBIERI, Carlo
09:30	[8] Update on IMSRG Developments	HERGERT, Heiko
10:00	[23] New results from nuclear lattice simulations	LEE, Dean

Morning Talks (11:00 - 12:30)

-Conveners: Achim Schwenk

time	[id] title	presenter
11:00	[26] Ab initio structure input for scattering observables	SARGSYAN, Grigor
11:30	[24] Ab initio optical potentials derived from SA-NCSM densities for elastic scattering from Magnesium isotopes	ELSTER, Charlotte
12:00	[25] Ab initio Glauber-theory calculations of high-energy nuclear scattering	HORIUCHI, Wataru

Friday, 27 February 2026

Morning Talks (09:30 - 11:00)

-Conveners: Carlo Barbieri

time	[id] title	presenter
09:30	[27] Intruder states in the no-core shell model	JOHNSON, Calvin
10:00	[29] Uncertainty quantification for many-body perturbation theory	SVENSSON, Isak
10:30	[5] Calcium dripline from a new chiral interaction	HAGEN, Gaute

Morning Talks (11:30 - 12:30)

-Conveners: Carlo Barbieri

time	[id] title	presenter
11:30	[33] Emulators for Hartree-Fock and IMSRG	COMPANYNS FRANZKE, Margarida
12:00	[53] World's highest intensity UCN source at TRIUMF	BROSSARD, Alexis