

14th International Spring Seminar on Nuclear Physics: "Cutting-edge developments in nuclear structure physics"

Monday, 19 May 2025

Morning Session 1 (09:10 - 10:50)

-Conveners: Luigi Coraggio

time	[id] title	presenter
09:10	[79] Shell model meets in-beam gamma-ray spectroscopy on both sides of the nuclear chart	GADE, Alexandra
09:35	[80] Structure of the calcium isotopes: past problems and future prospects	BROWN, B. A.
10:00	[81] Revealing the Dynamics of Three-Body Decay	WANG, Simin
10:25	[82] Updates on the relativistic nuclear field theory: refining dynamical kernels of the nuclear response	LITVINOVA, Elena

Tuesday, 20 May 2025

Morning Session 1 (09:00 - 11:05)

-Conveners: A. Gade

time	[id] title	presenter
09:00	[96] Taking Photos of the Nuclear Giant Dipole Resonance	PIETRALLA, Norbert
09:25	[97] Improved Actions for Nuclear Effective Field Theories	VAN KOLCK, Ubirajara
09:50	[98] Variational methods with symmetry constraints for application of quantum computers to nuclear physics	Dr LACROIX, Denis
10:15	[99] Recent results within the sd and fpg shells	ALLMOND, J.M.
10:40	[100] Nuclear electromagnetic properties from valence-space in-medium	MIYAGI, Takayuki

Wednesday, 21 May 2025

Morning Session 1 (09:00 - 11:05)

-Conveners: Gianluca Colo'

time	[id] title	presenter
09:00	[115] Exploring α -induced reactions: Direct measurements and their impact on Nuclear Astrophysics	AVILA CORONADO, Melina L.
09:25	[116] Present and future of the most sensitive techniques for double beta decay searches: an overview	BIASSONI, Matteo
09:50	[117] Isospin Symmetric Island of inversion at the N=Z line	NOWACKI, Frédéric
10:15	[118] Toward simulating the nuclear shell model in a quantum computer	MENENDEZ, Javier
10:40	[119] Exotic structures and double-magicity at the proton drip-line	DE ANGELIS, Giacomo

Thursday, 22 May 2025

Morning Session 1 (09:30 - 11:10)

-Conveners: Maria Colonna

time	[id] title	presenter
09:30	[126] Neutrinoless double-beta decay search with the LEGEND experiment	BRUGNERA, Riccardo
09:55	[127] Nuclear response functions with quantum (inspired) algorithms	ROGGERO, Alessandro
10:20	[128] A weak entanglement approximation for nuclear structure	JOHNSON, Calvin
10:45	[129] Search for a neutron dark decay in 6He	SAVAJOLS, hervé

Friday, 23 May 2025

Morning Session 1 (09:00 - 11:25)

-Conveners: Calvin Johnson

time	[id] title	presenter
09:00	[103] Pygmy resonance above excited states	KVASIL, Jan
09:25	[143] Freedom in the chiral three-nucleon force at N3LO	GIRLANDA, Luca
09:50	[144] Nuclear Physics under the low-energy, high intensity frontier	YANG, Chieh-Jen
10:15	[145] Direct and two-step processes in single charge exchange reactions within a unified mode	URAZBEKOV, Bakytzhan
10:35	[146] Emulating hadronic matter in extreme conditions	MANNARELLI, Massimo
11:00	[147] Uncovering the mechanism of chiral three-nucleon force in driving spin-orbit splitting	FUKUI, Tokuro