

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

Monday, 19 May 2025

Morning Session 2 (11:20 - 13:25)

-Conveners: Antonio D'Onofrio

time	[id] title	presenter
11:20	[83] Highlights from INFN-LNL, the Status and the Future plans of the SPES project	MARCHI, Tommaso
11:45	[84] Extrapolation and emulation techniques for few-body resonances	KOENIG, Sebastian
12:10	[85] Electromagnetic properties of atomic nuclei: the path to collectivity and the nature of pre-collective nuclei	STUCHBERY, Andrew
12:35	[86] Atomic nucleus at the edge of stability	PLOSZAJCZAK, Marek
13:00	[87] Shape Coexistence in the N=60 isotopes in the Sr-Ru region	GARRETT, Paul

Tuesday, 20 May 2025

Morning Session 2 (11:30 - 13:35)

-Conveners: Paul Garrett

time	[id] title	presenter
11:30	[101] A comprehensive view of nuclear shapes, rotations and vibrations from fully quantum mechanical perspectives	OTSUKA, Takaharu
11:55	[102] Nuclear Structure Investigations at DESPEC	GORSKA, Magdalena
12:20	[152] Few-nucleon correlations near and beyond the neutron drip-line	UESAKA, Tomohiro
12:45	[104] Assessing Spectral Shape of Forbidden Beta Decays with ACCESS	Dr PAGNANINI, Lorenzo
13:10	[105] Precision nuclear theory	FORSSÉN, Christian

Wednesday, 21 May 2025

Morning Session 2 (11:35 - 13:40)

-Conveners: Gianluca Imbriani

time	[id] title	presenter
11:35	[120] Nuclear Structure near Particle Thresholds - Evidence from Nuclear Astrophysics	WIESCHER, Michael
12:00	[121] Recent developments in electron scattering with quantum Monte Carlo methods	KING, Garrett
12:25	[122] The AGATA campaign at LNL: nuclear structure from high-resolution γ -ray spectroscopy	GOTTARDO, Andrea
12:50	[123] Probing two-body charge-exchange transition densities with heavy ion reactions	COLONNA, Maria
13:15	[124] A new underground measurement of the $^{14}\text{N}(p,\gamma)^{15}\text{O}$ reaction at Bellotti Ion Beam Facility	COMPAGNUCCI, Alessandro

Thursday, 22 May 2025

Morning Session 2 (11:40 - 13:20)

-Conveners: Ubirajara van Kolck

time	[id] title	presenter
11:40	[130] Effective Field Theory approach for radiative corrections to superallowed beta decays	MEREGHETTI, emanuele
12:05	[131] Fast-timing lifetime measurements of exotic nuclei with a large LaBr ₃ (Ce) array: The first results from the IDATEN project	WATANABE, Hiroshi
12:30	[133] Ab initio calculations for nuclear astrophysics and searches for new physics	HOLT, Jason
12:55	[132] Shape coexistence in the superheavy nucleus ²⁸⁶ No	RING, Peter

Friday, 23 May 2025

Morning Session 2 (11:55 - 13:20)

-Conveners: Giacomo De Angelis

time	[id] title	presenter
11:55	[148] Description of Double Beta Decay within EPM and STDA	VESELY, Petr
12:15	[149] High-Precision Determination of Radiative Corrections to Superallowed Nuclear Beta Decays	SENG, Chien Yeah
12:40	[150] Approaching 100Sn: Structural evolution in 98,100Cd via lifetime measurements	POLETTINI, Marta
13:00	[151] Radioisotopes for monitoring the effects of Climate Change on marine Ecosystems: the REMO/ClimOcean project at SPES/LNL RIB facility	ZENG, Fanfei