

QNP2024 - The 10th International Conference on Quarks and Nuclear Physics

Monday, 8 July 2024

I. Nuclear Structure and Reactions - Aula M1 (14:15 - 16:00)

time	[id] title	presenter
14:15	[32] Gamow-Teller excitations and beta-decay within the Subtracted Second RPA	GAMBACURTA, Danilo
14:40	[186] Precision neutrinoless double-beta decay nuclear matrix elements and related double-gamma decays	CASTILLO GARCÍA, Daniel
15:00	[199] Two-neutrino double-beta decay to excited states of heavy nuclei	BENAVENTE DE LUCAS, Beatriz
15:20	[207] Extraction of the weak magnetism form factor from precision spectrum shape measurements in Gamow-Teller transitions	ROZPEDZIK, Dagmara
15:40	[7] Electroweak reactions with quantum Monte Carlo methods	KING, Garrett

I. Nuclear Structure and Reactions - Aula M1 (16:30 - 18:40)

time	[id] title	presenter
16:30	[105] Beta-decay studies with the Total Absorption technique	ORRIGO, Sonja
16:55	[8] Measurement of Quadrupole Deformation using $E2$ and $M1+E2$ Transitions in Heavy Isotopes in the Mass Range of $150 < A < 250$	MOHANMURTHY, Prajwal
17:15	[27] NO TALK	
17:35	[139] Bubble structure in ^{46}Ar : a direct proton-transfer reaction perspective	BRUGNARA, Daniele
17:55	[225] Nuclear magnetic dipole moments from ab initio calculation	MIYAGI, Takayuki

Tuesday, 9 July 2024

I. Nuclear Structure and Reactions - Aula M1 (16:30 - 18:15)

time	[id] title	presenter
16:30	[178] The AGATA physics campaign at Legnaro National Laboratories	VALIENTE DOBON, Jose Javier
16:55	[138] Correlations between charge radii differences of mirror nuclei and stellar observables	VIÑA GAUSÍ, Xavier
17:15	[113] Study of forbidden β decays within the realistic shell model	DE GREGORIO, Giovanni
17:35	[82] Impact of nuclear masses on the r-process nucleosynthesis	GIULIANI, Samuel Andrea

Wednesday, 10 July 2024

I. Nuclear Structure and Reactions - Aula M1 (14:15 - 16:00)

time	[id] title	presenter
14:15	[179] Variational learning quantum wave functions	LOVATO, Alessandro
14:40	[169] Ab Initio Nuclear Structure with Machine Learning	ROZALÉN SARMIENTO, Javi
15:00	[200] Quantum entanglement patterns in the structure of atomic nuclei within the nuclear shell model	MASOT LLIMA, Sergi
15:20	[90] Shell-model study of ^{58}Ni using quantum computing algorithm	Dr BHOY, Bharti
15:40	[205] Variational Hybrid Algorithms for Nuclear Shell Model Simulations	CARRASCO CODINA, Miquel

I. Nuclear Structure and Reactions - Aula M1 (16:30 - 18:15)

time	[id] title	presenter
16:30	[222] QCD sum rule approach to nuclear structure problems	SAGAWA, Hiroyuki
16:55	[159] QCD-based charge independence breaking energy density functional	NAITO, Tomoya
17:15	[137] Recent experiments probing isospin symmetry	PEREIRA-LOPEZ, Xesus
17:35	[164] Investigating finite-temperature dependence of electromagnetic dipole transitions in nuclei	KAUR, Amandeep
17:55	[59] Green's functions approach for homogeneous nuclear matter	MARINO, Francesco

Thursday, 11 July 2024

I. Nuclear Structure and Reactions - Aula M1 (16:30 - 18:15)

time	[id] title	presenter
16:30	[171] Evolving single-particle structure probed via single-nucleon transfer reactions	SHARP, David
16:50	[38] Consistent description of mean-field instabilities and clustering phenomena within a unified dynamical approach	BURRELLO, Stefano
17:10	[67] Reactions with weakly-bound exotic nuclei using deformed two-body models	PUNTA DE LA HERRÁN, Pedro
17:30	[175] Shape coexistence and superdeformation in ^{28}Si	FRYCZ, Dorian
17:50	[238] Study of the spin-orbit splitting in n-rich Nitrogen isotopes with active targets.	Prof. FERNÁNDEZ-DOMÍNGUEZ, B.