



V International Conference on Nuclear Structure and Dynamics **NSD2024**

Valencia, 27-31 May 2024

Thursday May 30

Session 11

Chairperson: José Nicolás Orce

09:00	09:30	Daniele Mengoni (University and INFN Padova) <i>Exploring nuclear structure: advancements in direct reaction studies with γ-ray tracking spectrometers</i>
09:30	10:00	Adam Maj (IFJ PAN Krakow, Poland) <i>PARIS array - status, first experiments and plans</i>
10:00	10:20	Mitko Gaidarov (INRNE-BAS, Sofia, Bulgaria) <i>Microscopic analysis of giant monopole resonance in nuclear isotopic chains</i>
10:20	10:40	Marcos Llanos Expósito (Universidad Complutense de Madrid, Spain) <i>Gamma and Fast-Timing spectroscopy in the $^{128}\text{Cd} \rightarrow ^{128}\text{In} \rightarrow ^{128}\text{Sn}$ β-decay chain</i>
10:40	11:00	Esra Yuksel (University of Surrey, U.K.) <i>Electromagnetic dipole transitions in nuclei at finite temperature</i>

Coffee Break

Session 12

Chairperson: Alexandrina Petrovici

11:30	12:00	Yifei Niu (Lanzhou University, P. R. China) <i>The self-consistent quasiparticle vibration coupling approach for the study of nuclear giant resonances.</i>
12:00	12:30	José Nicolás Orce (University of the Western Cape, South Africa) <i>Nuclear structure and dynamics of the GDR at low temperatures and its influence in the universal abundance of elements</i>
12:30	12:50	Hemantika Sengar (GANIL, Caen, France) <i>Shedding new light on the structure of ^{56}Ni using $(n,3n)$ reaction at NFS</i>
12:50	13:10	Andrés Illana Sisón (Universidad Complutense de Madrid, Spain) <i>Octupole correlations in the neutron-deficient ^{110}Xe nucleus</i>
13:10	13:30	

13:30 Lunch

15:00	15:30	Enhong Wang (Shandong University, China) <i>γ-spectroscopy combining isotopically identified fragments and high-fold γ-rays in Nb isotopes - first observation of 1 and 2 phonon γ-vibrational bands in odd-odd nucleus</i>
15:30	15:50	Gustavo Adolfo Alcalá Escalona (IFIC, CSIC-University of Valencia, Spain) <i>Beta Decay Spectra Measurements for the Study of Reactors' Antineutrino Spectra</i>
15:50	16:10	Sonja Origo (IFIC, CSIC-University of Valencia, Spain) <i>TAGS measurements at GANIL with STARS</i>
16:10	16:30	Tik Tsun Yeung (The University of Tokyo, Japan) <i>New isomers in ^{213}Tl and ^{215}Tl revealing shell evolution beyond N = 126 shell closure</i>
16:30	16:50	Marta Poletti (University & INFN Padova, Italy) <i>Core-breaking effects approaching ^{100}Sn: lifetime measurements in $^{98,100}\text{Cd}$</i>

Coffee Break

17:10	17:30	Petrica Buganu (Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering, Bucharest, Rumania) <i>A unified description of the shape phase transitions, shape coexistence and mixing phenomena in nuclei</i>
17:30	17:50	Esperanza Maya Barbecho (Universidad de Huelva, Spain) <i>Shape coexistence and the onset of deformation around A=100: comparing even-even and odd-even cases</i>
17:50	18:10	Samuel Ayet San Andres (IFIC, CSIC-University of Valencia, Spain) <i>Mass measurements of N = 50 isotones and its implications in the nuclear structure around ^{100}Sn</i>
18:10	18:30	Anna Bohn (IKP, University of Cologne, Germany) <i>Lifetime measurements in the A ~ 100 mass region via the coincidence Doppler-shift attenuation method</i>
18:30	18:50	Jaime Benito García (Universidad Complutense de Madrid, Spain) <i>Detailed structure of ^{131}Sn populated in the β-decay of isomerically-purified ^{131}In states</i>
18:50	19:10	Arnau Rios Huguet (University of Barcelona, Institute of Cosmos Sciences, Spain) talk by Javier Menéndez Sánchez (University of Barcelona, Spain) <i>The shell model in a quantum computer</i>