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

Coffee Break

Session 12 — Chairperson: Alexandrina Petrovici

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

13:30 Lunch

Session 13 — Chairperson: Alejandro Algora

15:00	15:30	**Enhong Wang** (Shandong University, China) *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*
15:30	15:50	**Gustavo Adolfo Alcalá Escalona** (IFIC, CSIC-University of Valencia, Spain) *Beta Decay Spectra Measurements for the Study of Reactors' Antineutrino Spectra*
15:50	16:10	**Sonja Orrigo** (IFIC, CSIC-University of Valencia, Spain) *TAGS measurements at GANIL with STARS*
16:10	16:30	**Tik Tsun Yeung** (The University of Tokyo, Japan) *New isomers in ^{213}Tl and ^{215}Tl revealing shell evolution beyond N = 126 shell closure*
16:30	16:50	**Marta Polettini** (University & INFN Padova, Italy) *Core-breaking effects approaching ^{100}Sn: lifetime measurements in ^{98,100}Cd*

Coffee Break

Session 14 — Chairperson: Tomás R. Rodríguez

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

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