

PROGRAMME

Monday, 21 June

Morning session

- 09:30 – 10:00 *Opening Session*
- 10:00 – 10:45 *W. Scheid*: Adiabatic and Diabatic Dynamics of Fusion in Heavy Ion Collisions
- 10:45 – 11:05 *Coffee*
- 11:05 – 11:50 *A. Ventura*: Algebraic Approach to Non-central Potentials in the n-dimensional Schrödinger Equation
- 11:55 – 12:40 *Ch. Stoyanov*: Valence Shell Excitations in Even-even Spherical Nuclei within Microscopic Model
- 12:45 – 13:30 *V. A. Karmanov*: Antiproton-Nucleus Electromagnetic Annihilation as a Way to Access the Proton Timelike Form Factors

Afternoon session

- 16:40 – 17:00 *Coffee*
- 17:00 – 17:30 *D. Balabanski*: Novel Techniques and Recent Measurements of Nuclear Moments
- 17:35 – 18:05 *L. Atanasova*: g-factor Measurements for $^{127-128}\text{Sn}$ and Shell Model Calculations for $^{124-130}\text{Sn}$ Nuclei
- 18:10 – 18:40 *D. Deleanu*: Investigating the Structure of ^{128}I Nucleus
- 18:45 – 19:15 *D. Tarpanov*: Quasiparticle Random Phase Approximation – Application Towards the $N = 80$ and $N = 84$ Isotonic Chains

Tuesday, 22 June

Morning session

- 09:30 – 10:15 *P. Walker*: The Stability of High Spin Isomers
- 10:20 – 11:05 *A. I. Vdovin*: Thermal Effects on Nucleus-Neutrino Inelastic Scattering in Stellar Environment
- 11:05 – 11:25 *Coffee*
- 11:25 – 12:10 *R. Rodríguez-Guzmán*: Microscopic Description of Nuclear Structure with Skyrme and Gogny Interactions
- 12:15 – 13:00 *J. A. Caballero*: Scaling in Electroweak Reactions: What is it useful for?
- 13:05 – 13:35 *S. Mishev*: Core-particle Interaction in Odd-A Nuclei beyond the Random Phase Approximation

Afternoon session

- 15:40 – 16:00 *Coffee*
- 16:00 – 16:30 *M. Ivanov*: Scaling Function, Spectral Function and Nucleon Momentum Distribution in Nuclei
- 16:35 – 17:05 *M. Gaidarov*: Momentum Distributions in Medium and Heavy Exotic Nuclei
- 17:10 – 17:40 *D. Kadrev*: Study of ${}^6\text{He}+{}^{12}\text{C}$ elastic Scattering Using a Microscopic Optical Potential
- 17:45 – 18:15 *E. V. Zemlyanaya*: Estimation of the ${}^6\text{He}$ Breakup Cross Sections in ${}^6\text{He}+{}^{12}\text{C}$ Reaction Using the High-energy Approximation and Microscopic Optical Potential
- 18:20 – 18:50 *H. Ganev*: Phase Structure of the Interacting Vector Boson Model

Wednesday, 23 June

Morning session

- 09:30 – 10:15 *D. Bonatsos*: Approximate Symmetries in Nuclear Structure
10:20 – 11:05 *T. M. Shneidman*: Multiple Reflection–asymmetric Type Band Structures in Actinides
11:05 – 11:25 *Coffee*
11:25 – 12:10 *N. Tsoneva*: Pygmy Resonances in Exotic Nuclei
12:15 – 13:00 *E. Lanza*: On the Nature of the Pygmy Dipole Resonance
13:05 – 13:35 *S. Karampagia*: Order Amidst Chaos: The Alhassid–Whelan Arc of Regularity

Afternoon session

- 15:40 – 16:00 *Coffee*
16:00 – 16:30 *V. P. Garistov*: New Description of Long Yrast and Octupole Bands in Even-Even Heavy Nuclei
16:35 – 17:05 *P. Georgoudis*: SUSYQM in Nuclear Structure: Bohr Hamiltonian with Deformation-dependent Mass Term
17:10 – 17:40 *N. Minkov*: Non-yrast Alternating Parity Bands in the Model of Coherent Quadrupole-octupole Motion
17:45 – 18:15 *K. Drumev*: Extended Microscopic Theory for Medium-mass Nuclei - Basics, First Results, Future
18:20 – 18:50 *P. Yotov*: Dependence of Perturbed Nuclear Rotation on Quadrupole and Octupole Deformations
18:50 – 19:00 *Poster Presentations*
T. Möller: Projectile Coulomb Excitation of ^{154}Sm
M. Reese: Improvements of the Differential Decay Curve Method for the Analysis of Doppler Shift Lifetime Measurements

Poster Session

20:00 OFFICIAL DINNER

Thursday, 24 June

EXCURSION

Friday, 25 June

Morning session

- 09:30 – 10:15 *E. Suraud*: Clusters and Molecules in Extreme Light
- 10:20 – 11:05 *C. Maieron*: Nuclear Effects in Incoherent DVCS Processes in Light Nuclei
- 11:05 – 11:25 *Coffee*
- 11:25 – 12:10 *Zs. Podolyák*: Neutron-rich N=126 Nuclei: Structure and Fragmentation Reaction Mechanism Studies
- 12:15 – 13:00 *A. F. Krutov*: The Nucleon Electromagnetic Structure in the Relativistic Model of Constituent Quarks
- 13:05 – 13:35 *V. Gueorguiev*: Challenges in Modeling Nuclear Structure and Reactions

Afternoon session

- 15:40 – 16:00 *Coffee*
- 16:00 – 16:30 *S. Lalkovski*: Gamma-ray Spectroscopy Towards the Neutron-rich Exotic Nuclei
- 16:35 – 17:05 *S. Kisiov*: Fast-timing Measurements in $^{103,105,107}\text{Cd}$
- 17:10 – 17:40 *R. Stanoeva*: Exposure of Nuclear Emulsion in the Beam of Relativistic Nuclei and Some Results
- 17:45 – 18:15 *Tz. Apostolova*: Quantum Kinetic Approach for Spatio-temporal Carrier Dynamics in Femtosecond-laser Irradiated Materials
- 18:20 – 18:50 *Zh. Stoyanov*: Effects Induced by Nuclear Deformations in Ground State Electron Energy and Electron Correlations of Multiply Charged Helium Like Ions in High-temperature Plasma
- 18:50 – *Closing*