



# BPU 12 Congress

## Thursday 10 July 2025

### Poster Session 3 - Cntral Library 2nd Floor Main Hall (14:30 - 15:00)

[id] title	presenter	board
[236] Exploring X17 and dark charges in the context of Standard Model tension	SERAO, Raoul	
[7] Mathematical Model for Asymmetrical Pulses Passing through Active Medium	TOMA, Alexandru	
[237] Searching for mirror neutrons and dark matter with cold neutron interferometry	PISACANE, Gabriele	
[153] Evaluating the robustness of the Hopfield Neural Networks against noise in Image Classification	ALUSHLLARI, Griselda	
[238] The effect of spacetime torsion on neutrino mixing	MONDA, Simone	
[160] Efficient U-Net Model on FPGAs: A VitisAI Approach with Xilinx ZCU104	UKA, Arban	
[173] Evaluation of parameters of different architectures for segmentation of cell images	ALUSHLLARI, Griselda	
[222] 55 years of relativistic heavy ion collisions with accelerator systems. Contributions of the Faculty of Physics from the University of Bucharest	JIPA, Alexandru	
[34] Albania National Radioactive Waste Storage Facility Contamination Monitoring	Prof. TUSHE, Kozeta	
[136] Dynamics of Amyloid Beta Protein Signaling under Complexity Reduction: A Mathematical Modeling and BooleSim Simulation Approach	Dr KOCIAJ, Inva	
[189] Digital Twins in Mechatronics: A Symmetry-Based Approach to System Modeling and Analysis	BÎZDOACĂ, Nicu George	
[215] Assessing the energy performance and decarbonization potential of hybrid nuclear-renewable energy systems	VOINEA, Sanda	
[216] Modeling a Reactive Power Compensation System for Renewable-Based Grid Stabilization	VOINEA, Sanda	
[92] The Quantum Spectral-Model and Humphreys $\alpha$ -Multiplet Spectral Composition in H-I Spectrum	Dr RADNEF-CONSTANTIN, Diana Rodica	