



BPU11 CONGRESS

The Best posters awarded by European Physical Journal (EPJ)



ID	Title	Presenter	Code
222	Detection of ionizing particles with monolith scintillator and segmented photodetector	Simeon Ivanov (Faculty of Physics, Sofia University)	S01-NPNE-203
120	Cosmic-ray induced background of shielded HPGe detector	Danijel Velimirovic (University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, Serbia)	S01-NPNE-208
214	Lightcurve Analysis of Asteroids at the Astronomical Station Vidojevica for the first half of 2022	Gordana Apostolovska (Institute of Physics, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University in Skopje)	S02-AA-200
23	An analysis of oscillations in fuzzy dark matter cores	Milos Indjin (Newcastle University)	S03-GC-201
117	Experimental determination of the energy dependence of the rate of negative muon transfer reaction $\mu^- p + O \rightarrow p + \mu^- O$	Dimitar Bakalov (Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences)	S04-AMP-200
78	Collective modes of gluon in an anisotropic thermo-magnetic medium	Bithika Karmakar (Institute of Physics Belgrade)	S05-HEP-206
258	Progress on characterizatin of LGAD sensors for the ETL	Lazar Markovic (University of Belgrade, University of Torino, INFN Torino)	S05-HEP-208
76	Alternating-Basis Quantum Monte Carlo Method for Strongly Correlated Electrons	Veljko Jankovic (Institute of Physics Belgrade, University of Belgrade, Serbia)	S06-CMPSP-209
238	Investigating the degradation effects of a compartment fire protocol on wall-paintings	Lamprini Malletzidou (School of Physics, Faculty of Sciences, Aristotle University of Thessaloniki)	S06-CMPSP-214
123	Generation Gauss-Bessel beams with vortex phase plates at formally inadequate wavelengths	Nikolay Dimitrov (Sofia University "St. Kliment Ohridski")	S07-OP-201
87	Experimental demonstration of coherent beam recombination after controllable beam break-up and filamentation by using optical vortex lattices	Lyubomir Stoyanov (Institute of Optics and Quantum Electronics, Friedrich Schiller University, Germany & Department of Quantum Electronics, Faculty of Physics, Sofia University "St. Kliment Ohridski", Bulgaria)	S07-OP-208



BPU11 CONGRESS

The Best posters awarded by European Physical Journal (EPJ)



91	Experimental study of Ne II spectral lines shapes in the cathode sheath of an abnormal glow discharge	Nikola Ivanović (University of Belgrade, Faculty of Agriculture), Nikodin Nedić (University of Belgrade, Faculty of Physics)	S08-PGDP-200
283	Steering witnesses for Gaussian quantum states	Tatiana Mihaescu (Department of Theoretical Physics, National Institute of Physics & Nuclear Engineering, RO-077125 Bucharest-Magurele, Romania; Faculty of Physics, University of Bucharest, RO-077125 Bucharest-Magurele, Romania)	S09-TMCP-202
21	Investigation of the Dst variations in X component at mid latitudes during geomagnetic storm in 3 February 2022	Rumiana Bojilova (National Institute of Geophysics, Geodesy and Geography -Bulgarian Academy of Sciences)	S10-MG-201
211	The evaluation of vulnerability to extreme climate events over Balkan Peninsula using modified Climate Extremes Index	Milica Tomic (Faculty of Physics, University of Belgrade)	S10-MG-213
185	Mechanical Analysis of Dollar Index Trend	Dragana Malivuk Gak (University of Banja Luka, Faculty of Natural Sciences and Mathematics)	S12-PSSAP-202
263	Determination of spatial resolution of nonlinear laser scanning microscopy	Marta Bukumira (Institute of Physics Belgrade)	S13-BMP-200
17	Effect of Melittin on the Human Erythrocyte and Rat Liver Mitochondrial Membranes	Ognyan Petkov (Georgi Nadjakov Institute of Solid State Physics, Bulgarian Academy of Sciences)	S13-BMP-208
112	Introducing Wetting Models in Science Club	Efthymia Arvanitou (Didactics in Physics and Educational Technology, Aristotle University of Thessaloniki)	S14-PEHPP-200
118	Wetting and Roughness of Surfaces As Biomimetic Concepts in Teaching – A Proposal for Science Clubs	Michail Stefanis (Didactics in Physics and Educational Technology, Aristotle University of Thessaloniki), Emmanouela Tsigoti (Didactics in Physics and Educational Technology, Aristotle University of Thessaloniki)	S14-PEHPP-212



BPU11 CONGRESS

The Best poster awarded by SEENET-MTP



ID	Title	Presenter	Code
39	Control of group index in two level system by Kerr nonlinearity	Milica Perić (Department of Physics, Faculty of Sciences and Mathematics, University of Niš, Serbia)	S07-OP-206