

Chair	Link	On-line / in-person	Schedule	Id Title		
Ariel Guerreiro asguerre@fc.up.pt	https://fc-up-pt.zoom.us/j/84883920079		09:00	Welcome: Prof. Miguel Costa, Physics and Astronomy Department Director (FCUP), Prof. Mikhail Vasilevskiy (MAP-Fis Director)		
Gleb Kakazei gleb.kakazei@fc.up.pt	https://fc-up-pt.zoom.us/j/84883920079	in-person	09:10	149	Bulk Impurities/Vacancies in Nodal Loop Semimetals	João Santos Silva (CF-UM-UP, Centro de Física do Porto, FCUP)
		in-person	09:30	155	Local Probing of Structural Distortions in Ca ₂ Mn _{1-x} Ti _x O ₄ Negative Thermal Expansion Materials	Antonio Duarte Neves Cesario (Universidade do Porto (PT))
		in-person	09:50	161	Analytical results for the quantum dynamics of electrons under strong fields with dissipation	João Manuel Alendouro Oliveira Pinho (Centro de Física do Porto)
		in-person	10:10	139	Fano resonances between the emission of J-aggregate-covered metallic nanorods and spherical cavity modes	Diogo Cunha (University of Minho)
		in-person	10:30	153	Study of Hydrogen Impurities on NdFeO ₃	Muhammad Aasim (IFIMUP - Faculty of Science of the University of Porto)
		in-person	10:50	157	Dopant-vacancy synergy effects on ferroelectric La:ZrO ₂	Alexandre Silva (Universidade do Minho)
Andreas Mantziris andreas.mantziris@fc.up.pt	https://fc-up-pt.zoom.us/j/81693546094	online	09:10	150	Domain wall evolution beyond quartic potentials: The Sine-Gordon and Christ-Lee potentials	Ricarda Heilemann (Centro de Astrofísica da Universidade do Porto)
		online	09:30	156	Interplay between astrophysics and cosmology at LISA	Marco Finetti (Aveiro University)
		online	09:50	159	Invisible Higgs decay from dark matter freeze-in at stronger coupling	Vinícius Oliveira (Universidade de Aveiro)
		online	10:10	174	Instability of Q-Hairy Black Holes	José Ferreira (University of Aveiro)
		online	10:30	152	VIGILant: an automatic classification pipeline for glitches in the Virgo detector	Tiago Fernandes (Centro de Física das Universidades do Minho e de Porto / Universitat de València)
11:10 Coffee Break						
Vasco Goncalves vgoncalves@fc.up.pt	https://fc-up-pt.zoom.us/j/84883920079	in-person	11:20	151	Machine learning anomaly detection techniques at LHC with ATLAS experiment	Annalisa Berti (Laboratory of Instrumentation and Experimental Particle Physics)
		in-person	11:40	142	The heavy spectrum of holographic CFTs	Filipe Miguel Martins Macedo Serrano Coelho (University of Porto)
		in-person	12:00	145	AdS x S Mellin Bootstrap and Hidden Symmetry of Five-Point Functions in N=4 SYM	Carlos Bruno Dias Fernandes (University of Porto)
		in-person	12:20	146	Accretion of Generalized Chaplygin Gas onto Black Holes in an Expanding Universe	Luís Reis (University of Porto)
		in-person	12:40	148	On the space of U(N) scattering amplitudes	Ricardo Almeida Rodrigues (University of Porto)
		in-person	13:00	141	Inflationary dynamics of non-minimally coupled f(R) matter-curvature theories	Miguel Barroso Varela (Centro de Física do Porto - University of Porto)
Luis Coelho luis.coelho@fc.up.pt	https://fc-up-pt.zoom.us/j/81693546094	online	11:20	147	How surface charge controls the onset temperature of LDL fluctuations in ambient liquid water	Ramon Raposo Filho (University of Aveiro)
		online	11:40	160	Fiber-Integrated 3D Nanoprinted Antiresonant Hollow-Core Waveguide for Optofluidics Applications	Diana Pereira (i3N -University of Aveiro & Leibniz Institute of Photonic Technology - Germany)
		online	12:00	163	Hybrid fiber sensors based on self-written polymer waveguide	João Santos (Universidade de Aveiro)
		online	12:20	166	Color centers in diamond for neuronal signalling studies: Fabrication and transient signalling detection	João Silva (Faculdade de Ciências da Universidade do Porto)
		online	12:40	170	Harnessing Light for Computing: Neuromorphic Architectures and Analogue Photonic Platforms	Vicente Rocha (University of Porto)
13:20 Lunch						
Joao Horta Belo jbelo@fc.up.pt	https://fc-up-pt.zoom.us/j/84883920079	online	15:00	143	Phase Transitions and Uniaxial Negative thermal Expansion in CsNdNb ₂ O ₇ : Combined Local Probe and Diffraction Study	Pedro Alexandre Silva De Sousa (Universidade do Porto (PT))
		online	15:20	144	III-V Semiconductor Nanopillar Arrays for an Insect Vision Inspired Neuromorphic On-Chip Platform	João Azevedo (INL - International Iberian Nanotechnology Laboratory)
		online	15:40	162	Cyclodipeptides based composite electrospun nanofibers for Energy Harvesting Applications	Daniela Santos (University of Minho - CFUM and INL)
		online	16:00	165	Hybrid Nanostructured Electrochemical Sensor for Microcystin-LR Determination in Water	Tiago Moura (University of Aveiro)
		online	16:20	167	Spatially and temporally modulated active patches for skin cancer treatment	Diana Bogas (Centro de Física das Universidades do Minho e do Porto)
Alfredo Rocha alfredo.rocha@ua.pt	https://fc-up-pt.zoom.us/j/81693546094	online	15:00	154	Ionospheric response to geomagnetic storms of different intensity in the Eastern North Atlantic mid-latitude zone: comparison between Lisbon, Azores and Madeira	Shedrach Chiahia (University of Porto)
		online	15:20	158	Impacto das alterações climáticas na formação de Cold Air Pooling (CAP) na Região Demarcada do Douro	Marta Teixeira (University of Aveiro)
		online	15:40	164	Assessing dust aerosol-radiation-cloud interactions using different WRF-Chem model run approaches: a case study over the Iberian Peninsula	Rui Silva (Department of Physics and CESAM, University of Aveiro)
		online	16:00	168	Future climate wildfire modelling using the atmosphere-fire coupled model WRF-SFIRE, under different landscape management scenarios	Ricardo Vaz (University of Aveiro)
		online	16:20	169	Transport of aerosols by atmospheric rivers in the Iberian Peninsula	Diogo Luis (CESAM, University of Aveiro)
	https://fc-up-pt.zoom.us/j/84883920079		16:40	Final Remarks (Mikhail Vasilevskiy, MAP-Fis Director)		