

| Session 1 | | | |
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| | B1 | B2 | B3 |
| 14:30 | HOMOs are Your Friends: An Introduction into Organic Semiconductors (<i>James Kneller</i>) | An accurate astrophysical observation - a cosmologist's nightmare (<i>Jussi Aaltonen</i>) | Berry's phase examples (<i>Nives Bonačić</i>) |
| 14:50 | Point Contact Spectroscopy: An Undergraduate Investigation into Superconductivity and Quantum Criticality (<i>Amanda Landcastle</i>) | Galaxy Mergers and Active Galactic Nuclei (<i>Tim Hewlett</i>) | The Quantum Measurement Problem (<i>Barbara Šoda</i>) |
| 15:10 | Skyrmion Dynamics in Thin Films with Perpendicular Magnetic Anisotropy (<i>Serop Lazarian</i>) | Superluminal Motion in the Radio Jet of the High-redshift Quasar J0017+8135 (<i>Kristóf Rozgonyi</i>) | Supersymmetric Quantum Mechanics (<i>Francesco Di Filippo</i>) |
| break | | | |
| 15:40 | Breathing Mode of One-dimensional Trapped Quantum Gas (<i>Andrii Gudyma</i>) | Instabilities in the Coronal Mass Ejections (<i>Archili Sakevarashvili</i>) | Akinetic Swept Lasers in OCT and Sensing (<i>Radu-Florin Stancu</i>) |
| 15:55 | Electronic and Magnetic Properties of Nanostructured Transition Metal Dichalcogenides (<i>Ludmiła Szulakowska</i>) | | |

| Session 2 | | | |
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| | B1 | B2 | B3 |
| 09:30 | Making Molecular Movies (<i>Stuart Crane</i>) | The Measurements of the Cosmic Radiation Beyond the Arctic Circle (<i>Anna Chadrian</i>) | Symmetry Transformations in the Basis of Coherent States (<i>Saba Kharabadze</i>) |
| 09:50 | Hydrogen Adsorption on Transition Metal Doped Aluminum Clusters (<i>Jan Vanbuel</i>) | Detection Systems for Cosmic Rays Investigation. (<i>Alexandru Balaceanu</i>) | Speeding Tickets for Atoms and Molecules (<i>Matija Zesko</i>) |
| 10:10 | Generating Bose Einstein Condensation (BEC) for the Use of Solid State Simulations and Quantum Computing (<i>Tobias Messer</i>) | Discovery and Follow-up Observations of the Planetary Candidate GSC2087-1126 using Small Telescope Transit Method (<i>Laura Aumen</i>) | Physics of Particle Beams (<i>Cristina Oancea</i>) |
| break | | | |
| 10:40 | New Method of Preparation of Chalcogenide Glasses (<i>Uroš Raonić</i>) | Simulating Supermassive Black Hole Binaries Using Chains and Hamiltonian Magic (<i>Antti Rantala</i>) | Transport in Open Quantum System - a Born-Markov Master Equation Approach (<i>Gerhard Dorn</i>) |
| 10:55 | Advances in Metamaterials and Periodically Arranged Nanostructures (<i>Dewan Woods</i>) | Instabilities Driven by Kinematically Complex Flows (<i>Tamari Meshveliani</i>) | Stored Electromagnetic Energy: A Classical Conundrum (<i>Casimir Ehrenborg</i>) |

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| 11:10 | Extraordinary Properties of Transition Metal Dichalcogenides on the Example of Rhenium Compounds (<i>Joanna Kutrowska</i>) | Discovery of (Sub)Stellar Companions Around Pulsating Stars Using Asteroseismological Methods (<i>Gergely Dalya</i>) | Reaching QFT: A Simple Demonstration of the Gell-Mann and Low Theorem (<i>Giovanni Tricella</i>) |
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| Session 3 | | | |
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| | B1 | B2 | B3 |
| 09:30 | Explicit and implicit dislocation simulations in two dimension (<i>Gabor Peterffy</i>) | Searching for Right-handed W Bosons and Heavy Neutrinos at the ATLAS Experiment (<i>Xanthe Hoad</i>) | Physics and Politics (<i>Michael Draxler</i>) |
| 09:50 | General Formalism of Anisotropic Multiple-layer Arrays (<i>Mate Mihaly</i>) | Why is the Higgs Boson Important (<i>Adrian Buzatu</i>) | The Pros and Cons of Becoming a University Professor in the United States (<i>David Jacome</i>) |
| 10:10 | | Search and Study of η -mesic Nuclei (<i>Robert Poenaru</i>) | Beer – the Cause of and Answer to All of Physics Problems (<i>Lukas Jablonka</i>) |
| break | | | |
| 10:40 | Reflection, Transmission, and Transformation of Electromagnetic Waves in Layered Superconductors of Finite Sizes (<i>Tetiana Rokhmanova</i>) | Measurement of Direct CP-violation at LHCb (<i>Andreas Weiden</i>) | The Relativistic Viscosity of Light and the Poynting-Robertson Effect (<i>Tobias Grosfeld</i>) |
| 10:55 | Magnetization Relaxation in Superconducting MgB2 Bulk Samples with Improved Vortex Pinnin (<i>Marinela Alina Ionescu</i>) | Bose-Einstein Correlations in Heavy-ion Physics (<i>Daniel Kincses</i>) | A Short Look at Holography (<i>Jarkko Jarvela</i>) |
| 11:10 | Probing the Electronic Structure of Novel Multiband Superconductors (<i>Jonas Bekaert</i>) | Angular Analysis of Penguins (<i>Oliver Lantwin</i>) | |

| Session 4 | | | |
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| | B1 | B2 | B3 |
| 14:30 | Group Theory and Symmetryies (<i>Lukas Muller</i>) | Preliminary Studies and Future Contribution on the Mechanical Characterisation of Striated Muscle in Humans (<i>Alexandru Nistorescu</i>) | The Most Used and Least Thought-about Thing in Physics (<i>Augustin Oreškovic</i>) |
| 14:50 | Information Storage and Memory: Using Physics to Record the World (<i>Ivana Kurecic</i>) | Detecting Breast Cancer via Blood Plasma Proteins (<i>Irakli Lomidze</i>) | Stationary waves in plasma (<i>George Chanturia</i>) |

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| 15:10 | Holographic Strings (<i>Lorenzo Bianchi</i>) | Event Mixing Method for Two-particle Correlations (<i>Madalina Tarzila</i>) | Building a Proton Accelerator in Ankara (<i>Salim Ogur</i>) |
| break | | | |
| 15:40 | Effect of Anti-angiogenic Therapy on Tumor Growth (<i>Sirin Yonucu</i>) | The Effect of Normalization Therapy on Drug Delivery to Solid Tumors (<i>Defne Yilmaz</i>) | FEBID and its Applications (<i>Ulrich Haselmann</i>) |
| 15:55 | Atrial Fibrillation, the Search for a Treatment to a Disease on the Rise / The Quantum Walk on the Line (<i>Tim De Coster</i>) | Recent Development in Photoacoustic Microscopy for in Vitro and in Vivo Cells Imaging (<i>Nasire Uluc</i>) | Neutron Counting with Cameras (<i>Marta Crisanti</i>) |
| 16:10 | | | Development of TGEMs for Cherenkov photon detection (<i>Gábor Galgóczi</i>) |

| Session 5 | | | |
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| | B1 | B2 | B3 |
| 09:30 | Neutron Interferometer Measurements (<i>Thomas Potocar</i>) | (2+1)-dimensional Black Holes (<i>Mateus Cabral Torres</i>) | Computational Wins&Fails - An administrators view on high-performance computing (<i>Simo Tuomisto</i>) |
| 09:50 | 3D Printing Combinatorial Metamaterials (<i>Freek Broeren</i>) | Can Gravitational Waves be Detected? (<i>Stina Scheer</i>) | When Does a Disease Turn Epidemic? (<i>Eugenio Valdano</i>) |
| 10:10 | | | Insight into Fibre Optics Research (<i>Bettina Leibundgut</i>) |
| break | | | |
| 10:40 | Resistive Switching and Impedance Spectroscopy in Trilayered Structures with Silicon Oxide Thin Films (<i>Carlos Rosário</i>) | Development of a Prototype for a Fluorescence Detector Array of Single-Pixel Telescopes (<i>Ariel Matalon</i>) | Characterization of Bricks with 15% of Recycled Glass Powder (<i>Nina Novakovic</i>) |
| 10:55 | Electronic Transport in Graphene on the Atomic Scale (<i>Thomas Kotzott</i>) | Neutrinos on the Rocks: the IceCube Experiment (<i>Michele Re Fiorentin</i>) | Fabrication of Si-based Solar Cells by Means of Low-temperature Photo-stimulated Diffusion Processes (<i>Lado Jibuti</i>) |

| Session 6 | | | |
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| | B1 | B2 | B3 |
| 09:30 | Growth of Epitaxial Graphene on 6H-SiC(0001) Surfaces in Argon Atmosphere (<i>Jesús Rubén López Redondo</i>) | A Star in a Jar (<i>Emanuela Zachara</i>) | Climate Change for a Physicist (<i>Katriina Juva</i>) |

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| 09:50 | Building Up an Organic Thin Film Transistor and Implementing a Source Meter as Heater (<i>Sascha Rossmann</i>) | MWPC based Positron Emission Tomograph (<i>Dániel Németh</i>) | Usage of Magnetic Brakes Phenomenon for Saving Energy (<i>George Meshveliani</i>) |
| 10:10 | | A Web-Based Computer Aided Detection System for Automated Search of Lung Nodules in Thoracic Computed Tomography Scans (<i>Alberto Traverso</i>) | |
| break | | | |
| 10:40 | Plasmonic Surface Lattice Resonances at the Strong Coupling Regime (<i>Aaro Väkeväinen</i>) | Microscopic Analysis of Shape Evolution and Triaxiality in Germanium Isotopes (<i>Petar Marević</i>) | |
| 10:55 | Fundamental and Applied Research on Hydrogen-Metal Systems (<i>Wojciech Jamka</i>) | In-beam Gamma-ray Spectroscopy of ⁶⁷ Ge (<i>Serban Andreea Elena</i>) | |