

PhD Student Symposium
Warszawa-Fizyka-Kraków
March 24-25th 2017, Wydział Fizyki UW
sala 1.40

Friday, March 24th

11:00-11:15	prof. Dariusz Wasik	<i>Introduction</i>
11:15-11:30	Adam Leszczyński (UW)	<i>Multimode quantum memory in rubidium held in a magneto-optical trap (MOT)</i>
11:30-11:45	Krzysztof Biedroń (UJ)	<i>Fibonacci anyons in optical lattice</i>
11:45-12:00	Krzysztof Czajkowski (UW)	<i>3D holographic beam shaping with time multiplexing using digital micromirror device</i>
12:00-12:15	Ludwig Kunz (UW)	<i>Quantum noise in a lossy optical channel with Kerr nonlinearity</i>
12:15-12:30	Roberta Del Vecchio (UJ)	<i>Study of GRB light curve decay indices in the afterglow phase</i>
12:30-14:00		lunch
14:00-14:15	Tomasz Krajewski (UW)	<i>Gravitational waves from cosmological domain walls in the Standard Model</i>
14:15-14:30	Monika Pawlik-Niedźwiedzka (UJ)	<i>J-PET: Jagiellonian Positron Emission Tomography</i>
14:30-14:45	Kamil Dulski (UJ)	<i>Positronium decay in tomography of human body</i>
14:45-15:00	Ewelina Kubicz (UJ)	<i>Positron annihilation lifetime spectroscopy technique combined with J-PET detector as a tool for morphometric imaging</i>
15:00-15:15	Agnieszka Jamróz (UW)	<i>Multi-scale modelling of ordering phenomena in B-C-N hexagonal 2D structures</i>
15:15-15:30	Mikołaj Sadek (UW)	<i>Modeling interactions in boron nitride and graphene vertical heterostructures</i>
15:30-16:00		coffee/tea break
16:00-16:15	Aleksandra Dąbrowska (UW)	<i>Technology and characterization of boron nitride grown by the MOVPE method</i>
16:15-16:30	Arkadiusz Janas (UJ)	<i>Synthesis of anisotropic metallic nanostructures on AlIII-BV semiconductor surfaces</i>
16:30-16:45	Konrad Szajna (UJ)	<i>Morphology of thin organic films on strongly anisotropic TiO₂(110) surfaces – influence of the atomic row lengths</i>
16:45-17:00	Dominik Wrana (UJ)	<i>Nanoscale redox processes: conductive nanowires formation on SrTiO₃(100)</i>
17:00-17:15	Damian Zdulski (UW)	<i>Influence of correlation effects on the spectral functions of topological insulators</i>
17:15-17:30	Jarosław Klamut (UW)	<i>Intertrade times memory and autocorrelation of price changes absolute values</i>

Saturday, March 25th

8:30-9:00		coffee/tea, rolls
9:00-9:15	Paweł Olszewski (UW)	<i>Quantum scale-invariance and nonrenormalisable operators</i>
9:15-9:30	Piotr Podlaski (UW)	<i>Search for quark-gluon plasma in the NA61/SHINE experiment at CERN</i>
9:30-9:45	Alexander Khreptak (UJ)	<i>Search for exotic nuclear matter in the form of η-mesic helium nuclei</i>
9:45-10:00	Mateusz Sitarz (UW)	<i>Research on production of medical radioisotopes at the Heavy Ion Laboratory</i>
10:00-10:15	Jan Białowicz (UW)	<i>Charged particle experiments with ELITPC</i>
10:15-10:30	Paweł Bączyk (UW)	<i>Isospin-symmetry-violation effects resulting from strong interactions studied through mirror and triplet displacement energies</i>
10:30-11:00		coffee/tea break
11:00-11:15	Julia Sudyka (UJ)	<i>The Bloch–Siegert shift in atomic magnetometry</i>
11:15-11:30	Aleksandra Sierant (UJ)	<i>Plasmonic Transmission Gratings for sensors and atomic physics</i>
11:30-11:45	Piotr Zdybel (UW)	<i>Phase diagram of superconductivity with population imbalance in two spatial dimensions</i>
11:45-12:00	Andrzej Syrwid (UJ)	<i>Time-crystal behavior of excited eigenstates</i>
12:00-12:15	Mateusz Wlazło (UW)	<i>First principles simulations of heterogeneous catalysts and adsorbents</i>
12:15-12:30	Dorota Gotfryd (UW)	<i>Phase diagram and spin correlations of the Kitaev-Heisenberg model: Importance of quantum effects</i>
12:30-14:00		lunch