

Nuclear theory for nuclear experiments

British Council UK-Russia Researchers Link Workshop

All talk times include 5 minutes of questions.

	Tuesday 18 December		Wednesday 19 December		Thursday 20 December		Friday 21 December
09:00	Natasha Timofeyuk (Surrey) <i>Workshop opening</i>	09:00	Pavel Sharov (JINR Dubna) <i>Radioactive ion beam research program at FLNR JINR and related theoretical developments</i>	09:00		09:00	Olga Rubtsova (LMSU) <i>Continuum discretization for nuclear reactions and nuclear matter calculations</i>
09:15	Vladimir Kukulín (LMSU) <i>Critical review of modern nuclear force conceptions</i>	09:45	Paul Davies (Manchester) <i>UK Nuclear Data Needs and Activities</i>	09:45	Pavel Sharov (JINR Dubna) <i>Correlations in four-neutron nuclear decays</i>	09:30	Mehdi Drissi (Surrey) <i>Towards renormalization invariant equation of state of nuclear matter</i>
10:15	Robin Smith (Sheffield Hallam) <i>Nuclear structure and astrophysics studies with the HIGS Optical TPC</i>	10:30	COFFEE BREAK	10:30	Ivan Muzalevsky (JINR Dubna) <i>Hydrogen-7 investigations at ACCULLINA-2 fragment separator</i>	10:15	Pavel Belov (St Petersburg) <i>Application of the coordinate asymptotic method and complex scaling technique to the neutron-deuteron scattering problem</i>
11:00	COFFEE BREAK	11:15	Elizaveta Utolina (British Council) <i>British Council: Science and Research for Cultural Relations</i>	11:00	COFFEE BREAK	11:00	COFFEE BREAK
11:30	Vasily Kulikov (LMSU) <i>Extrapolation of shell-model energies within SS-HORSE approach</i>	11:30	Elizabeth Cunningham (STFC) <i>Public engagement and nuclear physics</i>	11:30	Johannes Kirscher (Manchester) <i>A theoretical search for neutron nuclei</i>	11:30	Discussions
12:15	Pierre Arthuis (Surrey) <i>Bogolyubov many-body perturbation theory for open shell nuclei</i>	12:00	Jim Al-Khalili (Surrey) <i>The Importance of Public Engagement in Science: A Personal Journey</i>	12:00	Olga Sukhareva (Omsk STU) <i>Studies of validity of quasiclassical approach to three-body decays</i>		
13:00	LUNCH	12:30	LUNCH	12:30	LUNCH		
14:00	Katarzyna Hadynska-Klek (Surrey) <i>Study of super-deformation in ^{42}Ca with Coulomb excitation</i>	14:00	Ruchi Garg (Edinburgh) <i>Nuclear reaction measurements for heavy element nucleosynthesis</i>	14:00	Matthias Rudigier (Surrey) <i>Competitive gamma decays in ^{173}Cs</i>	13:30	END
14:45	Pavel Kostyukov (Voronezh) <i>Search of violating T-invariance asymmetries in the differential cross sections of nuclear reactions</i>	14:45	Dan Doherty (Surrey) <i>Exploring nuclear shapes with Coulomb excitation</i>	14:45	Dmitry Lyubashevsky (Voronezh) <i>Comparative analysis of characteristics of T-odd asymmetries in cross sections of ternary fission reactions by cold polarized neutrons for the cases of the ...</i>		
15:30	COFFEE	15:30	COFFEE BREAK	15:30	COFFEE BREAK		
16:00	Anna Klimochkina (LMSU) <i>Single-particle properties of unstable nuclei within dispersive optical model</i>	16:15	Arnau Rios (Surrey) <i>Career opportunities in nuclear physics</i>	16:00	Alexis Diaz-Torres (Surrey) <i>Low-energy fusion dynamics in the time-dependent wave-packet method</i>		
16.45	Discussions	17:00	Discussions	16:30	Kai Wen (Surrey) <i>Two-body dissipation effect in nuclear fusion reactions</i>		
17:15	END	17:30	END	17:00	END		
				20:15	DINNER		