

ECT*-APCTP Joint Workshop : From Rare Isotopes to Neutron Stars

Tentative Scientific Program (2015.9.7)

	9.13(Sun)	9.14(Mon)	9.15(Tue)	9.16(Wed)	9.17(Thu)	9.18(Fri)	
Chair		Chang-Hwan Lee	Shuangquan Zhang	Giuseppe Verde	Yongseok Oh	Youngman Kim	
09:20-10:00	Welcome to Trento	Registration Opening Remarks (09:40) ECT* Introduction (W. Weise) APCTP Introduction (Y. Oh) ECT*-APCTP Joint Workshop (C.-H. Lee)	Wofram Weise (ECT*) Baryonic matter and renormalization group	Juergen Schaffner-Bielich (Goethe) Exotic Nuclei, Neutron Stars and Supernovae	Naoyuki Itagaki (YITP, Kyoto) Exotic structure in light neutron-rich nuclei	Mannque Rho (CEA, Saclay) Non-Renormalisation of tensor forces and a signal for scale-chiral symmetry in nuclear matter	
10:00-10:40		Mannque Rho (CEA, Saclay) $f_0(500)$ as a pseudo-Nambu-Goldstone boson of scale symmetry in dense baryonic matter	Stephane Goriely (Bruxelles) Exotic n-rich nuclei and the r-process nucleosynthesis	Kyujin Kwak (UNIST) Effects of nuclear reactions on the Astrophysical Phenomena	Jerome Margueron (Lyon) An empirical nucleonic EoS based on nuclear data	Ulugbek Yakshiev (Inha) Equations of states from the chiral soliton model	
10:40-11:00		Coffee Break					
11:00-11:40		Francesca Gulminelli (Caen) Inclusion of pairing in Nuclear Statistical Equilibrium and neutron star cooling	Wen Hui Long (Lanzhou) Covariant density functional with Fock terms	Stephen Rosswog (Stockholm) Multi-messenger signatures from neutron star mergers	Chang-Hwan Lee (Pusan) Neutron star EoS : Observational constraints	Open Discussion & Closing Remarks Future Collaboration between APCTP and ECT*	
11:40-12:20		Youngman Kim (RISP, IBS) Rare Isotope Science Project in Korea: RAON and nuclear theory	Giuseppe Verde (Orsay) Dynamics and Correlations in nuclear collisions	Luciano Rezzolla (Frankfurt) Using gravitational waves to understand neutron stars	Youngshin Kwon (Soongsil) Pion emission in strong magnetic fields		
12:20-14:00		Lunch					
Chair			Francesca Gulminelli	Juergen Schaffner-Bielich	Small Group Discussions Rare Isotope Physics Hadronic Physics Astrophysics Nuclear Astrophysics	Naoyuki Itagaki	Bon Voyage
14:00-14:40		Francesco Pederiva (Trento) Insights on the hyperon puzzle from Quantum Monte Carlo calculations	Yongseok Oh (Kyungpook) Topics in multistrangeness baryons	Luigi Coraggio (INFN) Shell-model calculations for exotic nuclei with realistic potentials: reliability and predictiveness			
14:40-15:20		Panagiota Papakonstantinou (RISP, IBS) Progress in the theory of nuclear collective excitations	Eun Ja Ha (Soongsil) Gamow-Teller Strength in deformed QRPA with np-pairing	Ghil-Seok Yang (Soongsil) Neutrino-nucleus scattering with strangeness form factors in the recent experiment			
15:20-15:40		Coffee Break					
15:40-16:20	Maddalena Boselli (ECT*) Reaction dynamics of weakly-bound few-body nuclei at energies around the Coulomb barrier	Open Discussion Rare Isotope Physics between Asia & Europe		Student Session			
16:20-17:00	Shuangquan Zhang (Peking) Nuclear landscape extended by continuum; from spherical to deformed			Myungkuk Kim (Pusan) Mass and radius constraint on neutron stars in LMXBs Yujeong Lee (Pusan) RBUU simulation for Heavy-ion collisions at RAON Eunkyoung Shin (Kyungpook) Effects of symmetry energy term in nuclear alpha decay			
Dinner	Pizzeria La Mostra (20:00)	Buffet Dinner @ ECT* (19:00)	La Baracca (19:00)	Hotel America (20:00)	Orso Grigio (20:00)	Pizzeria La Mostra (20:00)	