

Programme ECT* Workshop 17-21 Oct 2016

MONDAY

- 10:00 Introduction (Angela/Nigel)
- 10:15 Ploszajczak (45+15)
"Continuum shell model for nuclear structure and reactions"
- 11:15 Coffee
- 11:45 Hupain (30+15)
Continuum states with NCSM+RGM
- 12:30 Lunch
- 14:00 Riisager (30+15)
"Continuum states viewed through beta decays"
- 14:45 Rogachev (30+15)
"New insights into the structure of ^9He and ^{10}N from resonance scattering"
- 15:30 Coffee
- 16:00 DISCUSSION
- 17:00 Close

TUESDAY

- 09:30 Fukui (30+15)
“Investigation of unbound nuclei via transfer reaction”
- 10:15 Sharov (30+15)
“Anomalous population of ^{10}He states in reactions with ^{11}Li ”
- 11:00 Coffee
- 11:30 Vigezzi (30+15)
“Particle-vibration Coupling in the Continuum and Spectrum of ^{11}Be ”
- 12:15 Lunch
- 14:00 Dohet-Eraly (30+15)
“Resonance Properties from a Microscopic R-matrix Approach”
- 14:45 Blanchon (30+15)
“Asymmetry dependence of Gogny based optical potential”
- 15:30 Coffee
- 16:00 Volya (30+15)
“Nuclear structure and neutron correlations at the edge of stability”
- 16:45 DISCUSSION
- 17:30 Close

WEDNESDAY

- 09:30 Marqués (30+15)
“Formation and detection of neutron clusters – background-history and future prospects”
- 10:15 Shimoura (30+15)
“Tetra-neutron system studied by $4\text{He}(8\text{He},8\text{Be})$ ”
- 11:00 Coffee
- 11:30 Wuosmma (30+15)
“Ground state of 5H from $6\text{He}(d,3\text{He})5\text{H}$ ”
- 12:15 Lunch
- 14:00 Hiyama (30+15)
“Four-body structure of the tetra-neutron system” [with discussion on 5H prospects]
- 14:45 Shirokov (30+15)
“Unbound states in the shell model and the tetra-neutron resonance”
- 15:30 Coffee
- 16:00 J Carbonell (30+15)
“About tetra-neutron resonant states” [with $4n$ via DCHEX]
- 16:45 DISCUSSION
- 17:30 Close

THURSDAY

- 09:30 Lenske (30+15)
 “Nuclear Structure Tools for Continuum Spectroscopy”
- 10:15 Kanungo (30+15)
 “Exploring unbound states in exotic nuclei with re-accelerated beams”
- 11:00 Coffee
- 11:30 Cavallaro (30+15)
 "Investigation of the ^{10}Li shell structure by one-neutron transfer reactions"
- 12:15 Lunch
- 13:30 Kobayashi (30+15)
 “Effects of pairing correlation on low-energy p- and s-wave scattering in neutron-rich nuclei”
- 14:15 Wamers (30+15)
 “Excitation and Decay of Unbound States in Reactions with ^{17}Ne ”
- 15:00 Coffee
- 15:30 Nakamura (30+15) ...
 “Spectroscopy of weakly bound and unbound nuclei”
- 16:15 DISCUSSION
- 17:00 Close

FRIDAY

- 09:30 Grigorenko (30+15)
"Correlations in the decay of 3-body systems"
- 10:15 Hagino (30+15)
"Role of nn correlations in the two-neutron decay of ^{260}Po "
- 11:00 Coffee
- 11:30 Kikuchi (30+15)
"Decay modes of resonant and non-resonant continuum states of ^6He "
- 12:15 Lovell (30+15)
"Exploring the decay of ^{16}Be in a three-body model"
- 13:00 Summary/Close of workshop
- 13:15 Lunch
- 14:30-17:00 Free discussion