

# Towards consistent approaches for nuclear structure and reactions

June 6-10, 2016  
ECT\* Trento, Italy

## Program (version of June 1<sup>st</sup>)

Time	June 6 <sup>th</sup>	June 7 <sup>th</sup>	June 8 <sup>th</sup>	June 9 <sup>th</sup>	June 10 <sup>th</sup>
9:30	<i>registration</i>	<b>Nakatsukasa</b>	<b>Bulgac</b>	<b>Holt</b>	<b>Kohno</b>
10:15	<b>Tostevin</b>	<b>Barbieri</b>	<b>Zhou</b>	<b>Vorabbi</b>	<b>Xu</b>
11:00	<i>break</i>	<i>break</i>	<i>break</i>	<i>break</i>	<i>break</i>
11:30	<b>Bonaccorso</b>	<b>Crawford</b>	<b>Diaz-Torres</b>	<b>Furumoto</b>	<b>Deltuva</b>
12:15	<b>Lapoux</b>	<b>Gillibert</b>	<b>Lee</b>	<b>Durant</b>	<i>tbc</i>
13:00	<i>lunch</i>	<i>lunch</i>	<i>lunch</i>	<i>lunch</i>	<i>lunch</i>
14:30	<b>Arellano</b>	<b>Elster</b>	<i>ECT* colloquium</i>	<b>Idini</b>	
15:15	<b>Morillon</b>	<b>Hupin</b>	<b>Broglia</b>	<b>Rotureau</b>	
16:00	<i>break</i>		15:30 <i>break</i>		
16:30	<b>Lay Valera</b>		16:00 <b>Barranco</b>		
17:15	<b>Qi</b>		16:45 <b>Vigezzi</b>		
	19:00 <i>dinner</i>	20:00 <i>dinner</i>	19:30 <i>dinner</i>	20:00 <i>dinner</i>	20:00 <i>dinner</i>

## Talks

- H. Arellano**, Microscopic folding potentials for negative and positive single nucleon energies
- C. Barbieri**, Structure and Nuclear Correlations in Neutron Rich exotic Isotopes
- F. Barranco**, From structure to reactions in the NFT framework
- G. Blanchon**, Gogny based optical potential
- A. Bonaccorso**, The imaginary part of the nucleus-nucleus optical potential for light weakly-bound systems
- R. Broglia**, Towards consistent approaches for nuclear structure and reactions
- A. Bulgac**, Induced fission in real time
- H. Crawford**, An Experimentalist's Perspective: A Trilogy in Two Parts
- A. Deltuva**, Rearrangement reactions in few-body systems
- A. Diaz-Torres**, Molecular structures in slow nuclear collisions
- V. Durant**, Double folding potential from local chiral interactions
- Ch. Elster**, Separable representation for single and multi-channel optical potentials
- T. Furumoto**, The study of nuclear interaction and structure through microscopic reaction model
- A. Gillibert**, Form factor studies for analyses of transfer reactions
- J. W. Holt**, Microscopic optical potential for exotic isotopes from chiral EFT
- G. Hupin**, Ab Initio Structure and Reactions of Light Nuclei
- A. Idini**, Single particle structure and scattering from Gorkov-type self-energies
- M. Kohno**, Microscopic descriptions of nuclear scattering and reaction processes on the basis of chiral EFT
- V. Lapoux**, Nuclear matter radii from direct reactions on proton
- J. Lay Valera**, The role of core excitations in break up reactions
- D. Lee**, Nuclear binding near a quantum phase transition
- B. Morillon**, Non local optical model potential for the scattering of neutrons by spherical nuclei
- T. Nakatsukasa**, Microscopic determination of reaction path, potential, and inertial mass
- J. Rotureau**, Towards Optical Potential from Coupled Cluster calculations
- C. Qi**, Spectroscopic factors in alpha and proton decays and nuclear reactions
- J. Tostevin**, Interfacing reactions and structure
- E. Vigezzi**, Structure and reactions of halo nuclei
- M. Vorabbi**, Theoretical optical potential derived from nucleon-nucleon chiral potentials
- F. Xu**, Nuclear structure calculations based on realistic nuclear forces
- S.-G. Zhou**, Shape decoupling in deformed halo nuclei