

Session Program

Jun 21 - 26, 2015



Nucleus Nucleus 2015

Nuclear Structure

Dipartimento di Fisica ed Astronomia, Università di Catania, Aula Magna
Via Santa Sofia, 64 95123, Catania, Italy

Mon, June 22

3:15 PM

Nuclear Structure

Session | **Location:** Dipartimento di Fisica ed Astronomia, Università di Catania, Aula Magna | **Convener:** Djuro Miljanic

3:15 – 3:40 PM

Electric Dipole Response of Nuclei and the Symmetry Energy of the Nuclear Equation of State

Speaker

Atsushi Tamii

3:40 – 4:00 PM

Does monopole pigmy resonance exist in ^{68}Ni ?

Speaker

Prof. Hiroyuki Sagawa

4:00 – 4:20 PM

Probing the Structure of the Unbound Nuclei ^9He and ^{10}N Through Proton Elastic Scattering

Speaker

Dr Ethan Uberseder

4:20 – 4:40 PM

Collectivity beyond N=40 in neutron-rich Cr and Fe isotopes.

Speaker

Mrs Clementine Santamaria

4:40 – 5:00 PM

Interplay between proton-neutron pairing and deformation in N=Z medium mass nuclei

Speaker

Danilo Gambacurta

5:00 – 5:20 PM

First experimental indication of the Giant Pairing Vibration in the ^{14}C and ^{15}C nuclei

Speaker

Dr Diana Carbone

5:20 PM

Tue, June 23

11:00 AM

Nuclear Structure

Session | **Location:** Dipartimento di Fisica ed Astronomia, Università di Catania, Aula Magna | **Convener:** Witold Nazarewicz

11:00 - 11:30 AM **Shape phase transitions far from stability**

Speaker

Prof. Dario Vretenar

11:30 AM - 12:00 PM

Time-dependent Hartree-Fock calculations for multinucleon transfer and quasi-fission processes

Speaker

Kazuhiro Yabana

12:00 - 12:30 PM

Interplay between collective and single particle excitations around neutron-rich doubly-magic nuclei

Speaker

Silvia Leoni

12:30 - 1:00 PM

Heavy ion charge exchange reactions

Speaker

Tomohiro Uesaka

1:00 PM

2:30 PM

Nuclear Structure

Session | **Location:** Dipartimento di Fisica ed Astronomia, Università di Catania, Aula Magna | **Convener:** Ligang Cao

2:30 - 2:55 PM

Electromagnetic and neutral-weak response functions of 4He and ^{12}C

Speaker

Alessandro Lovato

2:55 - 3:15 PM

Theoretical studies of possible toroidal high-spin isomers in the light-mass region

Speaker

Dr Andrzej Staszczak

3:15 - 3:35 PM

g-factor Measurements for Isomeric States in ^{174}W

Speaker

Dr Marco Rocchini

3:35 - 3:55 PM

Spatial properties of pairing and quarteting correlations in nuclei

Speaker

Virgil V. Baran

3:55 - 4:15 PM

Excited sidebands calculated with Hatree-Fock method with PNC pairing

Speaker

Mr Wuyang Liang

4:15 - 4:35 PM

High-spin states in $N=50$ $Z=89$ and $Z=91$ Nb nuclei: Probing π fp- ν dg effective interaction**Speaker**

Dr Purnima Singh

4:35 PM

5:00 PM

Nuclear Structure**Session** | **Location:** Dipartimento di Fisica ed Astronomia, Università di Catania, Aula Magna | **Convener:** Francesco Catara

5:00 - 5:25 PM

Particle emission at the proton drip-line**Speaker**

Marek Pfutzner

5:25 - 5:50 PM

Nuclear structure studies of neutron-rich nuclei with large gamma-ray spectrometers.**Speaker**

Jose' Javier Valiente Dobon

5:50 - 6:10 PM

EXTRACTING THE HEXADECAPOLE PARAMETERS FROM BACKWARD QUASI-ELASTIC SCATTERING**Speaker**

Huanqiao Zhang

6:10 - 6:30 PM

Low-lying 1^- and 2^+ states in ^{124}Sn via inelastic scattering of ^{17}O **Speaker**

Dr Luna Pellegrini

6:30 - 6:50 PM

 160^+ and 160^- molecular structures of positive- and negative-parity superdeformed bands in ^{34}S **Speaker**

Dr Yasutaka TANIGUCHI

6:50 - 7:10 PM

Ab-initio calculation of nuclear structure with many-body perturbation theory**Speaker**

Prof. Furong Xu

7:10 PM