



# Nucleus Nucleus 2015

## Monday, 22 June 2015

### Nuclear Structure - Aula Magna (15:15 - 17:20)

-Conveners: Djuro Miljanic

time	[id] title	presenter
15:15	[318] Electric Dipole Response of Nuclei and the Symmetry Energy of the Nuclear Equation of State	TAMII, Atsushi
15:40	[97] Does monopole pigmy resonance exist in $^{68}\text{Ni}$ ?	Prof. SAGAWA, Hiroyuki
16:00	[205] Probing the Structure of the Unbound Nuclei $^9\text{He}$ and $^{10}\text{N}$ Through Proton Elastic Scattering	Dr UBERSEDER, Ethan
16:20	[142] Collectivity beyond N=40 in neutron-rich Cr and Fe isotopes.	Mrs SANTAMARIA, Clementine
16:40	[171] Interplay between proton-neutron pairing and deformation in N=Z medium mass nuclei	GAMBACURTA, Danilo
17:00	[165] First experimental indication of the Giant Pairing Vibration in the $^{14}\text{C}$ and $^{15}\text{C}$ nuclei	Dr CARBONE, Diana

## Tuesday, 23 June 2015

### Nuclear Structure - Aula Magna (11:00 - 13:00)

-Conveners: Witold Nazarewicz

time	[id] title	presenter
11:00	[17] Shape phase transitions far from stability	Prof. VRETENAR, Dario
11:30	[18] Time-dependent Hartree-Fock calculations for multinucleon transfer and quasi-fission processes	YABANA, Kazuhiro
12:00	[19] Interplay between collective and single particle excitations around neutron-rich doubly-magic nuclei	LEONI, Silvia
12:30	[20] Heavy ion charge exchange reactions	UESAKA, Tomohiro

### Nuclear Structure - Aula Magna (14:30 - 16:35)

-Conveners: Ligang Cao

time	[id] title	presenter
14:30	[349] Electromagnetic and neutral-weak response functions of $4\text{He}$ and $12\text{C}$	LOVATO, Alessandro
14:55	[132] Theoretical studies of possible toroidal high-spin isomers in the light-mass region	Dr STASZCZAK, Andrzej
15:15	[127] g-factor Measurements for Isomeric States in $174\text{W}$	Dr ROCCHINI, Marco
15:35	[352] Spatial properties of pairing and quarteting correlations in nuclei	BARAN, Virgil V.
15:55	[70] Excited sidebands calculated with Hartree-Fock method with PNC pairing	Mr LIANG, Wuyang
16:15	[246] High-spin states in $N=50$ $Z=89$ $Y$ and $Z=91$ $Nb$ nuclei: Probing $\pi$ fp- $\nu$ dg effective interaction	Dr SINGH, Purnima

### Nuclear Structure - Aula Magna (17:00 - 19:10)

-Conveners: Francesco Catara

time	[id] title	presenter
17:00	[436] Particle emission at the proton drip-line	PFUTZNER, Marek
17:25	[437] Nuclear structure studies of neutron-rich nuclei with large gamma-ray spectrometers.	VALIENTE DOBON, Jose' Javier
17:50	[217] EXTRACTING THE HEXADECAPOLE PARAMETERS FROM BACKWARD QUASI-ELASTIC SCATTERING	ZHANG, Huanqiao
18:10	[208] Low-lying $1^-$ and $2^+$ states in $^{124}\text{Sn}$ via inelastic scattering of $^{17}\text{O}$	Dr PELLEGGRI, Luna
18:30	[92] $16\text{O} + 16\text{O}$ molecular structures of positive- and negative-parity superdeformed bands in $34\text{S}$	Dr TANIGUCHI, Yasutaka
18:50	[1] Ab-initio calculation of nuclear structure with many-body perturbation theory	Prof. XU, Furong