



# Nucleus Nucleus 2015

## Monday, June 22, 2015

### Reactions and Structure - Unstable Nuclei - INFN-LNS, Aula Azzurra (3:15 PM - 5:25 PM)

-Conveners: Mahir Hussein

time	[id] title	presenter
3:15 PM	[308] Probing nucleon-nucleon correlations in heavy ion transfer reactions	Dr SZILNER, Suzana
3:40 PM	[212] Evidence for a four-body state in $^9\text{Be}$ through the $^8\text{Li}(p,d)^7\text{Li}$ reaction	Prof. LÉPINE-SZILY, Alinka
4:05 PM	[141] Effects of couplings to breakup channels in reactions induced by weakly bound and halo nuclei.	FERNANDEZ GARCIA, Juan Pablo
4:25 PM	[216] Exploring the $^{10}\text{Li}$ structure by the $d(^9\text{Li},p)^{10}\text{Li}$ transfer reaction	CAVALLARO, Manuela
4:45 PM	[167] Production cross section measurement and identification of new isotopes in the vicinity of $^{100}\text{Sn}$	Dr CELIKOVIC, Igor Dr LEWITOWICZ, Marek
5:05 PM	[82] Three-body model study of unbound nucleus $^{26}\text{O}$	Prof. SAGAWA, Hiroyuki

## Tuesday, June 23, 2015

### Reactions and Structure - Unstable Nuclei - INFN-LNS, Aula Azzurra (2:30 PM - 4:40 PM)

-Conveners: Maria J G. Borge

time	[id] title	presenter
2:30 PM	[498] Stable and radioactive ION beam studies at ALTO facility	AZAIEZ, Faical
2:55 PM	[172] Scattering process for the system ${}^7\text{Be}+{}^{208}\text{Pb}$ at near-barrier energies	MAZZOCCO, Marco
3:20 PM	[118] New evidence of soft dipole resonance in ${}^{11}\text{Li}$	Prof. KANUNGO, Rituparna
3:40 PM	[112] Unified studies of structures and reaction in two-center systems	Dr ITO, Makoto
4:00 PM	[88] Evaluation of inelastic breakup in reactions induced by weakly-bound nuclei within a three-body model	Mr JIN, Lei
4:20 PM	[233] Measuring fusion excitation functions with RIBs using the stacked target technique: problems and possible solutions	Mrs FISICHELLA, Maria

### Reactions and Structure - Unstable Nuclei - INFN-LNS, Aula Azzurra (5:00 PM - 6:50 PM)

-Conveners: Lidia Ferreira

time	[id] title	presenter
5:00 PM	[442] Transfer and knockout with exotic nuclei	Dr OBERTELLI, Alexandre
5:25 PM	[443] Reaction studies with low-energy weakly-bound beams at INFN-LNS	DI PIETRO, Alessia Francesca
5:50 PM	[111] Microscopic nuclear form factors for the pygmy dipole resonance	LANZA, Giuseppe Edoardo
6:10 PM	[116] First observation of beta-delayed gamma-proton decay in ${}^{56}\text{Zn}$	Dr ORRIGO, Sonja
6:30 PM	[179] Effect of breakup channel on other reaction mechanisms of the ${}^8\text{B} + {}^{208}\text{Pb}$ system at near barrier energies	Dr JESUS, Lubian

# Wednesday, June 24, 2015

## Reactions and Structure - Unstable Nuclei - Aula Magna (11:00 AM - 1:00 PM)

-Conveners: Hideyuki Sakai

time	[id] title	presenter
11:00 AM	[21] Reaction theory: status and perspectives	MORO, Antonio
11:30 AM	[22] Broad resonances in $8\text{Be}$ , $12\text{C}$ and $16\text{O}$ studied with reactions and beta-decay	FYNBO, Hans Otto Uldall
12:00 PM	[23] Continuum spectroscopy of light nuclei	Prof. CHARITY, Robert
12:30 PM	[24] Nuclear structure and reaction studies with Fermionic Molecular Dynamics	Dr NEFF, Thomas

# Thursday, June 25, 2015

## Reactions and Structure - Unstable Nuclei - INFN-LNS, Aula Azzurra (2:30 PM - 4:35 PM)

-Conveners: Brett Carlson

time	[id] title	presenter
2:30 PM	[356] Static and dynamics effects in the elastic scattering of light radioactive nuclei elastic: the $^6\text{He}$ , $^7,10\text{Be}$ , $^8\text{B}$ and $^{10}\text{C}$ cases	Dr GUIMARAES, Valdir
2:55 PM	[182] Using CHIMERA detector at LNS for gamma-particle coincidences	CARDELLA, Giuseppe
3:15 PM	[109] alpha Cluster Structure in Unbound States of $^{19}\text{Ne}$	Mr OTANI, Reiji
3:35 PM	[196] BCS description of weakly bound nuclei with a discretized continuum	LAY VALERA, Josè Antonio
3:55 PM	[135] Study on the Neutron-Neutron Correlation in $^8\text{He}$	Dr YANG, Zaihong
4:15 PM	[75] Breakup of $^{22}\text{C}$ in a three-body model	Dr PINILLA, E. C.

## Reactions and Structure - Unstable Nuclei - Aula M (5:00 PM - 6:50 PM)

-Conveners: Alexandre Obertelli

time	[id] title	presenter
5:00 PM	[400] Systematics of Elastic and Inelastic Deuteron Breakup	Dr CARLSON, Brett
5:25 PM	[168] Self-consistent description of deformed proton drip-line nuclei	Prof. FERREIRA, Lidia S.
5:50 PM	[237] Elastic, inelastic and breakup cross sections in $^6\text{Li}+^{112}\text{Sn}$ system	Dr SANTRA, Satyaranjan
6:10 PM	[220] Some Peculiarities of Interactions of Weakly Bound Lithium Nuclei at Near Barrier Energies	Dr KUTERBEKOV, K.A.
6:30 PM	[213] Mechanism of two-proton emission from $^{23}\text{Al}$ and $^{22}\text{Mg}$	Prof. FANG, Deqing

## Reactions and Structure - Unstable Nuclei - INFN-LNS, Aula Azzurra (5:00 PM - 6:50 PM)

-Conveners: Angela Bonaccorso

time	[id] title	presenter
5:00 PM	[25] Effect of $^6\text{Li}$ resonances on near-barrier elastic scattering for reactions with several spherical targets	Dr GOMEZ CAMACHO, Arturo
5:25 PM	[43] Low-energy $^9\text{Be}+^{208}\text{Pb}$ scattering, breakup and fusion within a four-body model	Prof. HUSSEIN, Mahir
5:50 PM	[105] Coulomb breakup of $^{37}\text{Mg}$ and its ground state structure	Dr CHATTERJEE, Rajdeep
6:10 PM	[495] Study of cluster structures in $^{10}\text{Be}$ and $^{16}\text{C}$ neutron-rich nuclei via break-up reactions	Dr DELL'AQUILA, Daniele
6:30 PM	[110] Coupled Rearrangement Channels Calculation of The Three Body System under The Absorbing Boundary Condition	Mr IWASAKI, Masataka