



# Nucleus Nucleus 2015

## Monday, 22 June 2015

**Equation of State of Neutron-Rich Nuclear Matter, Clusters in Nuclei and Nuclear Reactions - INFN-LNS, Sala conferenze (15:15 - 17:25)**

-Conveners: Pawel Danielewicz

time	[id] title	presenter
15:15	[313] Excited nuclear matter at Fermi energies: from transport properties to the equation of state	LOPEZ, O.
15:40	[467] The role of the symmetry energy on Pygmy Dipole Resonance dynamics: from schematic models to transport approaches	Prof. BARAN, Virgil
16:05	[77] Alpha-particle clustering in excited expanding self-conjugate nuclei	Dr BORDERIE, Bernard
16:25	[54] In-medium and isospin effects of strange particles in heavy-ion	Dr FENG, Zhaoqing
16:45	[226] Influence of Skyrme-type Momentum Dependent Interaction on HICs Observables	Prof. ZHANG, Yingxun
17:05	[204] Study of two and multi particle correlations in $^{12}\text{C}+^{24}\text{Mg}$ and $^{12}\text{C}+^{208}\text{Pb}$ reactions at $E/A=35$ MeV	QUATTROCCHI, Lucia

## Tuesday, 23 June 2015

### Equation of State of Neutron-Rich Nuclear Matter, Clusters in Nuclei and Nuclear Reactions - INFN-LNS, Sala

#### Conferenze (14:30 - 16:40)

-Conveners: Joe Natowitz

time	[id] title	presenter
14:30	[394] Dynamical description of heavy-ion collisions at Fermi energies	Dr NAPOLITANI, Paolo
14:55	[45] Nuclear matter under extreme conditions and finite nuclei with finite range simple effective interaction	Prof. ROURAY, Tusar Ranjan
15:20	[187] Sensitivity of N/Z ratio to dynamical fission of quasi-projectile in isobaric systems	Dr DE FILIPPO, Enrico
15:40	[177] From Femtonova to Supernova: Heavy Ion Collisions and the Supernova Equation of State	Dr HAGEL, Kris
16:00	[175] Exploring clustering in alpha-conjugate nuclei using the thick target inverse kinematic technique for multiple alpha emission	Dr BARBUI, Marina
16:20	[152] Neutron rich Lambda hypernuclei study with the FINUDA experiment	Mrs BUFALINO, Stefania

### Equation of State of Neutron-Rich Nuclear Matter, Clusters in Nuclei and Nuclear Reactions - INFN-LNS, Sala

#### Conferenze (17:00 - 19:05)

-Conveners: Massimo Di Toro

time	[id] title	presenter
17:00	[128] The ASY-EOS experiment at GSI: investigating symmetry energy at supra-saturation densities	RUSSOTTO, Paolo
17:25	[133] Impact of the in-medium conservation of energy on the pi-/pi+ multiplicity ratio	Dr COZMA, Dan
17:45	[74] Impact of pairing effects on thermodynamical properties and clusterization of stellar matter	BURRELLO, Stefano
18:05	[64] Charge-Changing Cross Section Measurement of Neutron-rich Carbon Isotopes at 50A MeV	Mr TRAN, Dinh Trong
18:25	[232] High-spin Molecular Resonances in $^{12}\text{C}+^{12}\text{C}$	Prof. UEGAKI, Eiji
18:45	[273] Clusters in heavy ion collisions and the symmetry energy	Prof. WOLTER, Hermann Wolter

# Thursday, 25 June 2015

## Equation of State of Neutron-Rich Nuclear Matter, Clusters in Nuclei and Nuclear Reactions - Aula Magna (08:30 - 10:30)

-Conveners: BAo-An Li

time	[id] title	presenter
08:30	[26] Constraints on the asymmetric EOS from Heavy Ion Reactions	YENNELLO, Sherry
09:00	[27] Recent results on light nuclear systems; progress and problems	FREER, Martin
09:30	[28] Pairing effects in nuclear reactions	Dr LACROIX, Denis
10:00	[29] Cluster production within transport theory	ONO, Akira

## Equation of State of Neutron-Rich Nuclear Matter, Clusters in Nuclei and Nuclear Reactions - INFN-LNS, Sala Conferenze (14:30 - 16:20)

-Conveners: Hermann Wolter

time	[id] title	presenter
14:30	[362] Symmetry Energy in Structure and in Central and Direct Reactions	Prof. DANIELEWICZ, Pawel
14:55	[138] Three-body force effect on the properties of neutron-rich nuclear matter	Prof. ZUO, Wei
15:20	[180] Asymmetry Dependence of the Nuclear Caloric Curve	Dr MCINTOSH, Alan
15:40	[166] Properties of Excited A = 40 Nuclear Systems With Varying Matter Composition	Dr SCHMIDT, Katarzyna
16:00	[117] Effects of symmetry energy and momentum dependent interaction on low-energy reaction mechanisms	Dr ZHENG, hua

## Equation of State of Neutron-Rich Nuclear Matter, Clusters in Nuclei and Nuclear Reactions - INFN-LNS, Sala Conferenze (17:00 - 18:55)

-Conveners: Bernard BORDERIE

time	[id] title	presenter
17:00	[409] Neutron Stars: cosmic laboratories for matter under extreme conditions	BOMBACI, Ignazio
17:25	[410] Clusters in n-rich light nuclei	Prof. MILIN, Matko
17:50	[185] Nuclear symmetry energy in density-dependent relativistic Hartree-Fock theory: the role of Fock terms and tensor force	Dr SUN, Bao Yuan
18:15	[115] Excited states of $^{26}\text{Al}$ studied via the reaction $^{27}\text{Al}(d, t)$	Mr SRIVASTAVA, Vishal
18:35	[96] Influence of various potentials on fragment production in asymmetric collisions	Dr KAUR, Varinderjit