



# Nucleus Nucleus 2015

## Tuesday, June 23, 2015

### Nuclear Astrophysics - INFN-LNS, Aula 52 (5:00 PM - 7:10 PM)

-Conveners: Carlos Bertulani

time	[id] title	presenter
5:00 PM	[460] Reactions on neutron-deficient nuclei for nuclear astrophysics	BLACKMON, Jeffrey
5:25 PM	[489] The $^{12}\text{C}(^{12}\text{C},\alpha)^{20}\text{Ne}$ and $^{12}\text{C}(^{12}\text{C},p)^{23}\text{N}$ reactions at the Gamow peak via the Trojan Horse Method	Dr TUMINO, Aurora
5:50 PM	[90] Asymptotic Normalisation Coefficients from the $^{26}\text{Al}(d,p)^{27}\text{Al}$ reaction, mirror nuclei study and application to nuclear astrophysics	Mr MARGERIN, Vincent
6:10 PM	[162] AGB star nucleosynthesis: when new data from nuclear physics help to solve puzzles	Dr PALMERINI, Sara
6:30 PM	[121] Neutron Star Structure from the Quark-Model Baryon-Baryon Interaction	Dr FUKUKAWA, Kenji
6:50 PM	[100] Electron screening in laboratory experiments-an unresolved effect	Dr VESIC, Jelena

# Thursday, June 25, 2015

## Nuclear Astrophysics - Aula Magna (2:30 PM - 4:45 PM)

-Conveners: Zsolt Fulop

time	[id] title	presenter
2:30 PM	[482] Indirect techniques for astrophysical reaction rates determinations	Dr HAMMACHE, Fairouz
2:55 PM	[181] Studying astrophysical reactions with low-energy RI beams at CRIB	Dr YAMAGUCHI, Hidetoshi
3:20 PM	[499] LUNA: present status and future prospects	CACIOLLI, Antonio
3:45 PM	[174] Fusion measurements of $^{12}\text{C}+^{12}\text{C}$ at energies of astrophysical interest	SANTIAGO-GONZALEZ, Daniel
4:05 PM	[59] Nuclear magics at explosive magnetization	Prof. KONDRATYEV, Vladimir
4:25 PM	[158] The Trojan Horse Method as a tool for investigating astrophysically relevant fusion reactions	LAMIA, Livio

## Nuclear Astrophysics - Aula Magna (5:00 PM - 6:50 PM)

-Conveners: Silvio Cherubini

time	[id] title	presenter
5:00 PM	[419] Recent results of the nTOF facility	TAGLIENTE, Giuseppe
5:25 PM	[420] Constraining the key $\alpha$ -capture astrophysical reaction rates using the sub-Coulomb $\alpha$ -transfer reactions	Dr ROGACHEV, Grigory
5:50 PM	[202] Insight into the $^{24}\text{Mg}$ excited states located in Gamow window for carbon - carbon burning	Dr SOIC, Neven
6:10 PM	[143] Primordial nucleosynthesis revised: the THM contribution	PIZZONE, Rosario
6:30 PM	[423] New measurement of the $^{10}\text{B}(p,\alpha)^7\text{Be}$ reaction cross section at low energies and the structure of $^{11}\text{C}$	Dr LOMBARDO, Ivano

# Friday, June 26, 2015

## Nuclear Astrophysics - Aula Magna (8:30 AM - 10:30 AM)

-Conveners: Michael Wiescher

time	[id] title	presenter
8:30 AM	[34] Reaction models in nuclear astrophysics	Dr DESCOUVEMONT, Pierre
9:00 AM	[35] Indirect methods in nuclear astrophysics	Prof. MUKHAMEDZHANOV, Akram
9:30 AM	[37] Where is the site of the r-process?	APRAHAMIAN, Ani
10:00 AM	[492] Nuclear Reaction studies for Explosive Nuclear Astrophysics	Prof. WOODS, Philip