

“YOUNG RESEARCHERS” SESSIONS

Monday, 14/09/2015

I. Kochanec Towards the study of ${}^2\text{H}(p,\gamma){}^3\text{He}$ reaction in the Big Bang

Nucleosynthesis energy range in LUNA

R. Depalo Low-Energy resonances in the ${}^{22}\text{Ne}(p,\gamma){}^{23}\text{Na}$ reaction directly observed at LUNA

M. Giarrusso Lithium and age of Pre-Main Sequence Stars

Tuesday, 15/09/2015

G.M. Halabi Oxygen isotopic ratios in RGB and AGB stars

O. Trippella Effects of the s-process on Fe-group elements in meteorites

L. Morales-Gallegos Towards the measurements of ${}^{12}\text{C}+{}^{12}\text{C}$ reactions at astrophysical energies

K. Cushman Radioactive beams development via the TwinSol setup at the University of Notre Dame

Wednesday, 16/09/2015

M. Kumar Sharma Competition between the compound and the pre-compound emission processes in α -induced reactions at near astrophysical energy to well above it

D. Rapagnani A supersonic jet target for the cross section measurement of the ${}^{12}\text{C}(\alpha,\gamma){}^{16}\text{O}$ reaction with the recoil mass separator ERNA

R. Buompane Absolute measurement of the ${}^7\text{Be}(p,\gamma){}^8\text{B}$ cross section with the recoil separator ERNA

A. Chilug *To be announced*

Thursday, 17/09/2015

J. Gutkin Emission-line signatures of the early chemical enrichment of star-forming galaxies near the epoch of reionization

A. Vidal Modeling the ultraviolet emission from young galaxies at high Redshift

M. Nassurtha Complex analysis of scattering 1p-shell nuclei in the framework of coupled channel method

I. Harca The study of neutron-rich nuclei formation in the region of the closed shell $N=126$ in the multi-nucleon transfer reaction ${}^{136}\text{Xe}+{}^{208}\text{Pb}$

D. Tudor Experimental study of the ${}^{13}\text{C}+{}^{12}\text{C}$ fusion reaction at deep sub-barrier energies

Friday, 18/09/2015

D. Dell'Aquila An overview of the ${}^{19}\text{F}(p,\alpha){}^{16}\text{O}$ reaction with direct methods

G. D'Agata First evidences for ${}^{19}\text{F}(\alpha,p){}^{22}\text{Ne}$ at astrophysical energies

G.G. Rapisarda Study of $^{16}\text{O}(^{12}\text{C},^{20}\text{Ne})\alpha$ for the investigation of carbon-carbon fusion reaction via the Trojan Horse Method

R. Sparta "New measurement of the $^{10}\text{B}(n,\alpha)^7\text{Li}$ reaction through the Trojan Horse Method"

Ms. A. Oprea *To be announced*

Saturday, 19/09/2015

F. Ferraro "Direct measurement of the $^{22}\text{Ne}(p,\gamma)^{23}\text{Na}$ reaction cross section at LUNA"

A. Boeltzig "Status of the direct measurements of $^{18}\text{O}(p,\gamma)$ and $^{23}\text{Na}(p,\gamma)$ cross sections at astrophysical energies at LUNA"

M. Heine "Neutron-Capture Reactions with the R³B-CaveC Setup"

Chunguang Wang Studies of Beta Decay of Ground and Isomer states in ^{34}Al