

The 13th Torino Workshop on AGB stars & the 3rd Perugia Workshop on Nuclear Astrophysics

Monday, 20 June 2022

Nuclear Astrophysics (09:50 - 10:40)

-Conveners: Sergio Cristallo

time	[id] title	presenter
09:50	[21] The neutron time-of-flight facility n_TOF at CERN	MENGONI, Alberto
10:15	[39] Neutron capture and total cross measurements on $^{94,95,96}\text{Mo}$ at n_TOF and GELINA	MUCCIOLA, Riccardo

Nuclear Astrophysics (11:10 - 12:50)

-Conveners: Sergio Cristallo

time	[id] title	presenter
11:10	[41] Experimental $kT=28$ keV Maxwell–Boltzmann-like neutron spectrum for Maxwellian averaged cross section measurement (R)	MUSACCHIO GONZALEZ, Elizabeth
11:35	[73] Measurement of the $^{140}\text{Ce}(n,\gamma)$ cross section at n_TOF	AMADUCCI, Simone
12:00	[58] Neutron capture reactions in the stellar weak and main s-process regimes: AGa, ASe, AKr and ACe targets (R)	TESSLER, Moshe
12:25	[29] Measurements of s process neutron source cross sections	BEST, Andreas

Nuclear Astrophysics (14:30 - 16:10)

time	[id] title	presenter
14:30	[15] The influence of electronic and nuclear correlation on weak decays	TAIOLI, Simone
14:55	[70] Relativistic quantum theory and ab initio simulations of electroweak decay spectra in nuclei.	TRIGGIANI, Francesca
15:20	[67] Numerical virtual experiments for in-plasma nuclear beta-decay study in the framework of the PANDORA project	PIDATELLA, Angelo
15:45	[68] Modelling Ion Population Kinetics in ECR Plasmas to Extract Inputs for In-Plasma β -Decay Rates	MISHRA, Bharat

Nuclear Astrophysics (16:40 - 18:45)

time	[id] title	presenter
16:40	[61] Recent achievements of the ERNA Collaboration	GIALANELLA, Lucio
17:05	[22] Indirect Investigation for AGB Stellar Nucleosynthesis (R)	SERGI, Maria Letizia
17:30	[24] The $^{19}\text{F}(\alpha, p)^{22}\text{Ne}$ and $^{23}\text{Na}(p, \alpha)^{20}\text{Ne}$ reactions at energies of astrophysical interest via the Trojan Horse Method	D'AGATA, Giuseppe Ferdinando

17:55	[27] The measurements of nuclear reaction cross-sections relevant to AGB stars at LUNA: the case of the $^{17}\text{O}(p,\gamma)^{18}\text{F}$ reaction	PIATTI, Denise
18:20	[59] Study of the $^{20}\text{Ne}(p, \alpha)^{21}\text{Na}$ reaction at LUNA	BARBIERI, Lucia