

YOUNG SPEAKERS CALENDAR

Monday 17th June

17:15-18:15 Young Researchers Session

17:15 – 17:30 C. Sengupta

Elastic Scattering of ^8Li on heavy and medium mass targets with SOLEROO capability at ANU

17:30 – 17:45 A. K. Mondal

Effect of compound nuclear reaction mechanism in $^{12}\text{C}(^6\text{Li},d)$ reaction at sub-Coulomb energy

17:45 – 18:00 R. S. Sidhu

Bound state beta-decay of $^{205}\text{Tl}^{81+}$ ions

18:00 – 18:15 T. Petruse

Preliminary results for the $^{19}\text{F}(p,\alpha)^{16}\text{O}$ reaction cross section measured at INFN-LNS

Tuesday 18th June

18:00-19:00 Young Researchers Session

18:00 – 18:15 Sathi Sharma

Study of $^{14}\text{N}(p,)^{15}\text{O}$ resonance reaction at $E_{\text{lab}}=278\text{keV}$

18:15 – 18:30 G. Gallina

Characterization and development of the next generation of VUV low-light sensors for astrophysics applications

18:30 – 18:45 S. Perrotta

How do charged environments affect low-energy fusion rates? Screening effects in laser-induced non-neutral plasmas

18:45 – 19:00 I. Tisma

Astrophysical S-factor for the $2\text{H}(p,\gamma)3\text{He}$ reaction at big-bang nucleosynthesis energies

Friday 21th June

16:00-17:00 Young Researchers Session

16:00 – 16:15 N. Oulebsir

New Astrophysical factor and reaction rate of $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$

16:15 – 16:30 R. Jain

Sensitivity Studies of Fusion Reactions in the Crusts of Accreting Neutron Stars

16:30 – 16:45 C. Spampinato

Study of $3\text{He}(n, p)3\text{H}$ reaction at cosmological energies with Trojan Horse Method

16:45 – 17:00 B. Vilagos

The isolation time of the Solar System

Saturday 22th June

11:00-11:50 Young Researchers Session

11:00 – 11:15 Y. Luo

Can Inhomogeneous Primordial Magnetic Field Affect Nucleosynthesis in the Early Universe?

11:15 – 11:30 A. Spiridon

Transfer reactions as an Indirect Method in Nuclear Astrophysics

11:30 – 11:45 K. I. Tursunmakatov

Determination of the asymptotic normalization coefficient (nuclear vertex constant) for $\alpha + d \rightarrow {}^6\text{Li}$ from the new direct measured $d(\alpha,\gamma){}^6\text{Li}$ data and its implication for extrapolating the $d(\alpha,\gamma){}^6\text{Li}$ astrophysical s factor at extremely low energies

14:30-15:30 Young Researchers Session

14:30 – 14:45 C. Altana

14:45 – 15:00 E. Naselli

Multidiagnostics setups for Magnetoplasmas devoted to Astrophysics and Nuclear Astrophysics Research in Compact Traps

15:00 – 15:15 E. Masha

Study of the ${}^{22}\text{Ne}(\alpha,\gamma){}^{26}\text{Mg}$ reaction at LUNA

15:15 – 15:30 V. Y. Kozhevnikov

The apokamp gas discharge phenomenon: experimental and theoretical backgrounds

15:30 – 15:45 A. A. Oliva

Study of the neutron induced reaction ${}^{17}\text{O}(n,\alpha){}^{14}\text{C}$ at astrophysical energies via the Trojan Horse Method