

Communications Program

Monday, July 14-th

- 1) 18:00-18:15 M. Karus: "Calibration of photo sensors for the space-based cosmic ray telescope JEM-EUSO"
- 2) 18:15-18:30 M. Holl: "Quasi-Free Scattering from Relativistic Neutron-Deficient Carbon Isotopes"
- 3) 18:30-18:45 A. Slemer: "Advanced stellar evolution and related nucleosynthesis"

Tuesday, July-15 th

- 1) 18:00-18:15 A. Saastamoinen: "Study of excited states of ^{35}Ar through β -decay of ^{35}K for nucleosynthesis in novae and X-ray bursts"
- 2) 18:15-18:30 L. Tartaglia: "Interacting supernovae and supernova impostors: evidence of incoming SN explosions?"
- 3) 18:30-18:45 I. Gheorghie: "Absolute photoneutron cross sections of Sm isotopes"
- 4) 18:45-19:00 R. Lica: "Properties of low-lying intruder states in ^{34}Al and ^{34}Si from the beta-decay of ^{34}Mg "

Wednesday, July-16 th

- 1) 18:00-18:15 S. Antic: "Relativistic mean-field model with energy dependent self-energies"
- 2) 18:15-18:30 T. Aymard: "Sub-saturation matter in Compact Stars : nuclear modelling in the framework of the Extended Thomas-Fermi theory"
- 3) 18:30-18:45 A. Horvat: "Collective Excitations in Nuclei Away from the Valley of Stability"

Thursday, July 17-th

- 1) 18:00-18:30 D. Filipescu: "Geant4 simulations on Compton scattering of laser photons on relativistic electrons"

Monday, July 21-st

- 1) 18:10-18:15 N. Arsene: " X_{μ}^{\max} vs. N_{μ} from Extensive Air Showers as estimator for the mass of primary UHECR's. Application for the Pierre Auger Observatory"
- 2) 18:15-18:30 A. Gherghel-Lascu: "Refined Lateral Energy Correction Functions for the KASCADE-GRANDE Experiment Based on GEANT4 Simulations"
- 3) 18:30-18:45 M. Niculescu: "Underground cosmic muon detector based on SiPM , optic fibers and plastic scintillators"
- 4) 18:45-19:00 C. Costache: "RDDS lifetime measurements using the ROSPHERE spectrometer: The case of ^{119}Te "

Tuesday, July 22-nd

- 1) 17:05-17:20 D. Chesneau: "Investigating $^{12}\text{C}+^{13}\text{C}$ reaction using high resolution gamma ray spectroscopy"
- 2) 17:20-17:35 N. Veselinovic: "CR muon flux measurements at Belgrade shallow underground laboratory"
- 3) 17:35-17:50 O. Sgourous: "Elastic scattering of the system $^7\text{Be}+^{28}\text{Si}$ at 17.2MeV"
- 4) 18:00-18:15 V. Soukeras: "Elastic scattering of the system $^6\text{Li} + \text{p}$ at near barrier energies with MAGNEX"
- 5) 18:30-18:45 A. Caruso: " $^{18}\text{F} + \text{p}$ at astrophysical energies"
- 6) 18:45-19:00 I.M. Harca: "Investigation of shell effects in fusion-fission and quasifission processes in the reaction $^{34}\text{S} + ^{186}\text{W}$ "

Thursday, July 24-th

- 1) 16:10-16:25 J.S. Bihalowicz: "3D reconstruction of nuclear reaction using GEM TPC with planar readout"
- 2) 16:25-16:40 B. Chesca: "Ultra-sensitive superconducting detectors of the radiative decay of cosmic background neutrinos"
- 3) 16:40-16:55 A. Cvetinovic: "Large electron screening effect in $^1\text{H}(^7\text{Li},\alpha)^4\text{He}$ and $^2\text{H}(^{19}\text{F},n)^{20}\text{Ne}$ reactions in different environments"
- 4) 17:05-17:20 G.M. Halabi: "Effect of $^{12}\text{C}+^{12}\text{C}$ Fusion Reaction & Convective Mixing on the Progenitor Mass of ONe White Dwarfs"
- 5) 17:20-17:35 S. Shibagaki: "Roles of Fission, Neutron Star Mergers and Supernovae in R-Process Nucleosynthesis"
- 6) 17:35-17:50 S. Balascuta: "The conceptual design of the Electron Spectrometer for the High Field Physics experiments at ELI-NP"
- 7) 17:50-18:05 S. Sanfillipo: " β -delayed α -decay of ^{16}N and the $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ cross-section at astrophysical energies"
- 8) 18:05-18:20 Partha Roy Chowdhury: "The Equation of State for Nuclear Matter at Extreme and Compact Star Properties"

Friday, July 25-th

- 1) 15:00-15:15 S. Puglia: "Study of the $^{10}\text{B}(\text{p},\alpha)^7\text{Be}$ reaction through the Trojan Horse Method"
- 2) 15:15-15:30 M.L. Sergi: "Recent THM determination of the 65 keV resonance strength intervening in the $^{17}\text{O}(\text{p},\alpha)^{14}\text{N}$ reaction rate"
- 3) 15:30-15:45 S. Palmerini: "The RGB and AGB star nucleosynthesis in the light of the recent $^{18}\text{O}(\text{p},\alpha)^{15}\text{N}$ and $^{17}\text{O}(\text{p},\alpha)^{14}\text{N}$ reaction rate determinations"
- 3) 16:10-16:35 C. Oancea: "Reducing the Uncertainties in Particle Therapy"
- 4) 16:35-16:50 N. Kahledi: "Production and dosimetry of simultaneous therapeutic photons and electrons beam by linear accelerator: a monte carlo study"
- 5) 17:05-17:20 P. Isar: "Space-atmospheric interactions of ultra-high energy cosmic rays"