

Session Program

18-27 Aug 2021

Carpathian Summer School of Physics 2020

Afternoon Session

Sinaia, Romania

Hotel International**** 1st. Avram Iancu Street, Sinaia 106100, Romania

Thursday 19 August

15:00

Afternoon Session: Nuclear Astrophysics

Session | Location: Sinaia, Romania, Hotel International**** 1st. Avram Iancu Street, Sinaia 106100, Romania |
Convener: Roberta Sparta

15:00-15:50 **Physics at LUNA (II)**

Speaker

Dr László Csedreki

15:50

Friday 20 August

15:00

Afternoon Session: Nuclear Astrophysics

Session | Location: Sinaia, Romania, Hotel International**** 1st. Avram Iancu Street, Sinaia 106100, Romania |
Convener: Alexandra Spiridon

15:00-15:50 **The Trojan Horse Method in Nuclear Astrophysics**

Speaker

Dr Roberta Sparta

15:50-16:10 **Coffee Break**

16:10-16:40 **Investigation of the Carbon and Oxygen burning via THM**

Speaker

Dr Giuseppe Rapisarda

16:40-17:10 **Nuclear transfer reactions and their role in nuclear astrophysics**

Speaker

Dr Shubhchintak

18:00

Monday 23 August

15:00

Afternoon Session

Session | Location: Sinaia, Romania, Hotel International**** 1st. Avram Iancu Street, Sinaia 106100, Romania |
Convener: Dr Kazuo Tanaka

15:00-15:30 **Proposal for a Radioactive Ion Facility at IFIN-HH (RIF@IFIN)**

Speaker

Dr Florin Negoita

15:30-16:00 **Laser-driven experiments relevant to the PW areas commissioning**

Speaker

Dr Domenico Doria

16:00-16:20 **Coffee Break**

16:20-17:10 **Laser induced reactions for Nuclear Astrophysics**

Speaker

Dr Dario Lattuada

17:10-17:40

Silicon detector arrays for Nuclear Astrophysics: the case of the $^{19}\text{F}(\text{p},\text{a})$ reaction

Speaker

Dr Giovanni Luca Guardo

17:40

Tuesday 24 August

15:00

Afternoon Session: Nuclear Astrophysics

Session | Location: Sinaia, Romania, Hotel International**** 1st. Avram Iancu Street, Sinaia 106100, Romania |
Convener: Dr Gianluca Pizzone

15:00-15:30 **Application of the THM to neutron induced reactions**

Speaker

Dr Maria-Letizia Sergi

15:30-16:00 **Ion-ion fusion reactions at sub-barrier energies**

Speaker

Alexandra Spiridon

16:00-16:20 **Coffee Break**

16:20-16:50 **Photoneutron reaction data in the Giant Dipole Resonance region**

Speaker

Dr Ioana Gheorghe

16:50