

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

15:50

15:00–15:50

Physics at LUNA (II)

Speaker

Dr László Cséregi

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 $^{19}\text{F}(p,\alpha)$ 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