

Session Program

16-18 Oct 2024

8th p-process workshop 2024

Morning session

Wednesday 16 October

10:20

Morning session

Session | **Convener:** Zsolt Fulop

10:20–10:50

Nucleosynthesis of the p-process isotopes, still an open problem for nuclear astrophysics

Speaker

Dr Marco Pignatari

10:50–11:10

The α -nuclear potentials along the Sn isotopic chain

Speaker

Daniel Galaviz

11:10–11:30

Elastic α scattering on Sm: adding experimental data to constrain a-OMP

Speaker

Charles Soto

11:30–11:40

Results of cross-section measurements of proton-capture reactions on stable Rubidium isotopes

Speaker

Svenja Wilden

11:40–12:00

On the distribution of p-process nuclides ^{144}Sm and ^{142}Nd in the protoplanetary disc

Speaker

Paul Frossard

12:00

Thursday 17 October

10:00

Morning session

Session | **Convener:** Daniel Galaviz

10:00–10:20 **p-process from Slow White Dwarf Mergers**

Speaker

Umberto Battino

10:20–10:40

Exploring the Origin of the Rarest Stable Isotopes Naturally Occurring on Earth with Photon Beams

Speaker

Adriana Banu

10:40–10:50

A new tool to understand isotopic anomalies in meteorites

Speaker

Gábor Balázs

10:50–11:10

The role of gamma-induced experiments in the p-process

Speaker

Dario Lattuada

11:10–11:20

Details of (α, n) experiments aiming at the investigation of the Atomki-V2 potential

Speaker

Zsolt Mátyus

11:20–11:40

The p-process in exploding rotating massive stars

Speaker

Arthur Choplin

11:40–11:50

Exploring p-process through statistical model code TALYS

Speaker

Ms Satabdi Mondal

11:50

Friday 18 October

10:00

Morning session

Session | **Convener:** Prof. Adriana Banu

10:00–10:20 **Production of p-nuclides in accreting neutron star common envelopes**

Speaker

Sophie Abrahams

10:20–10:40

Updates on P-Process Related Measurements Using the Summing Technique with HECTOR

Speaker

John McDonough

10:40–11:00

Short-Lived Radioactive Nuclei in the Early Solar System

Speaker

Benjámín Soós

11:00–11:20

Development of the Charge-Exchange Oslo Method and Application Towards Constraining Reaction Rates for Nucleosynthesis of Cosmochronometer ^{92}Nb

Speaker

Neshad Deva Pathirana

11:20–11:40

Total reaction cross sections: a basic building block for astrophysical reaction rates

Speaker

Dr Peter Mohr

11:40–12:00

P-process signatures in presolar grains

Speaker

Reto Trappitsch

12:10