

Session Program

12-17 Jun 2022

Astrophysics with Radioactive Isotopes

Afternoon session 1

Monday 13 June

14:30

Afternoon session 1: online talks

Session | **Location:** Hotel Benczur Budapest, Benczúr u. 35, 1068 | **Convener:** Chiaki Kobayashi

14:30–14:40

Spectroscopy of ^{48}Cr by the $^{50}\text{Cr}(p, t)^{48}\text{Cr}$ reaction

Speaker

Philip Adsley

14:40–15:00

First direct measurement of the $^{13}\text{N}(\alpha, p)^{16}\text{O}$ reaction relevant for core-collapse supernovae

Speaker

Heshani Jayatissa

15:00–15:10

Uncertainty Analysis of $^{23}\text{Mg}(p, \gamma)^{24}\text{Al}$ reaction rate occurring in Classical Novae

Speaker

Edwin Amanda Crystal

15:10–15:30

The production of ^{10}Be in the supernova neutrino process

Speaker

Andre Sieverding

15:30–16:00

Accounting for Short-Lived Radionuclides in the Early Solar System in the Context of a Triggered Star Formation Origin of the Solar System

Speaker

Vikram Dwarkadas

16:00

Tuesday 14 June

14:30

Afternoon session 1: online talks

Session | **Location:** Hotel Benczur Budapest, Benczúr u. 35, 1068 | **Convener:** Roland Diehl

14:30–14:50

Neutron induced reactions and unstable nuclei: recent THM investigations at astrophysical energies

Speaker

Maria Letizia Sergi

14:50–15:10

Cosmogenic isotopes activity measured in Cavezzo, an anomalous L5 chondrite recovered in Italy

Speaker

Dario Barghini

15:10–15:30

Measurement of the $7\text{Be}(p,\gamma)8\text{B}$ at astrophysical energies using a radioactive 7Be ion beam

Speaker

Raffaele Buompane

15:30–15:40

Understanding ^{22}Na cosmic abundance

Speaker

Chloe Fougères

15:40–16:00

First preliminary results on the s-process branchings $^{79}\text{Se}(n,\gamma)$ and $^{94}\text{Nb}(n,\gamma)$ and future prospects

Speaker

Cesar Domingo Pardo

16:00

Wednesday 15 June

14:30

Afternoon session 1: in person talks

Session | **Location:** Hotel Benczur Budapest, Benczúr u. 35, 1068 | **Convener:** Marco Pignatari

14:30–14:50

An astrochemical perspective on Radioactive Molecules

Speaker

Alexander Axel Breier

14:50–15:10

Radioactive molecules for astrophysics

Speaker

Shane Wilkins

15:10–15:30

Mass measurements of neutron-rich gallium and indium isotopes for r-process studies

Speaker

Gabriella Kripkó-Koncz

15:30–15:50

Using ^{31}Cl β -Delayed Proton Decay to Constrain $^{30}\text{P}(p, \gamma)^{31}\text{S}$ in ONe novae

Speaker

Tamas Budner

15:50–16:00

How do positron-trapping and titanium decay change light curve models of SESNe?

Speaker

Andrea Nagy

16:00