

**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  $^{48}\text{Cr}$  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  $^{10}\text{Be}$  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 ${}^7\text{Be}$ ion beam

**Speaker**

Raffaele Buompane

15:30–15:40

#### Understanding ${}^{22}\text{Na}$ cosmic abundance

**Speaker**

Chloe Fougères

15:40–16:00

#### First preliminary results on the s-process branchings ${}^{79}\text{Se}(n,g)$ and ${}^{94}\text{Nb}(n,g)$ 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  $^{31}\text{Cl}$   $\beta$ -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