

Session Program

4–6 Nov 2026



Meeting of Young Astronomers and Astrophysicists - FIKUT NEXTGEN

Astrochemistry and Nuclear Astrophysics

HUN-REN Wigner Research Centre for Physics
1121 Budapest, Konkoly-Thege Miklós út 29-33.

Thursday 5 November

09:00

Astrochemistry and Nuclear Astrophysics

Session | Location: HUN-REN Wigner Research Centre for Physics, 1121 Budapest, Konkoly-Thege Miklós út 29-33.

09:00–09:15

Radiation-Driven Sulphur Chemistry on the Surfaces of Jupiter's Galilean Moons: New Results from Laboratory Experiments

Speaker

Duncan Mifsud

09:15–09:30

Irradiation of Methanol Ices as an Analogue for Astrochemical Processes

Speaker

Rodrigo Zamudio Ramírez

09:30–09:45

Uncovering the importance of (p,n) reactions in the weak r-process

Speaker

Sándor Kovács

09:45–10:00

Stellar nucleosynthesis in the laboratory: LUNA results and perspectives

Speaker

Riccardo Biasi

10:00–10:15

Measurement of the ^{14}N (p, γ) ^{15}O Reaction Cross Section Using Inverse Kinematics

Speaker

Gábor Bihari

10:15–10:30

Silicon nucleosynthesis in classical novae: New experimental constraints on the $^{29}\text{Si}(p,\gamma)^{30}\text{P}$ reaction

Speaker

Zsolt Mátyus

10:30

Friday 6 November

14:00

Astrochemistry and Nuclear Astrophysics

Session | **Location:** HUN-REN Wigner Research Centre for Physics, 1121 Budapest, Konkoly-Thege Miklós út 29-33.

14:00–14:15 **Molecular transitions in supernova spectra: from quantum chemistry to astrophysics**

Speaker

Márton Truszek

14:15–14:30 **Laboratory Modeling of Cosmic-Ray-Driven Chemistry in Interstellar Ice Analogs**

Speaker

Barbara Keresztes

14:30–14:45

Radioactive isotopes as power sources in the late-time evolution of core-collapse supernova light curves

Speaker

Gábor G. Balázs

14:45