

Session Program

1-5 Jun 2026

Muographers 2026

Earth and Planetary Sciences

Wednesday 3 June

08:30

Earth and Planetary Sciences

Session | Location: Mercure Budapest Castle Hill 41-43 Krisztina Korut, Budapest, 1013 (GPS: 47.498822, 19.027326)

08:30–08:45

Muon4Earth: LHC Cosmic-Ray Muons as a New Atmospheric Observable Bridging the Earth Observation Scale Gap

Speakers

Nuhcan Akçit, BUGRA Bilin

08:45–09:00

Global Cosmic Ray Monitoring with the Belgrade Muon Station and the gLOWCOST Network

Speaker

Nikola Veselinović

09:00–09:15

Identification of cosmic muons and determination of their momentum distribution using a semiconductor detector

Speaker

Tibor-Tamás Bándi

09:15–09:30

From Tunnel Overburden Reconstruction to Tidal Measurements via atmospheric muons

Speaker

Jiwon Seo

09:30–09:45

Muography at 1 km depth - Hardware

Speaker

JEAN-LUC GAUVREAU

09:45–10:00

Muography at 1 km depth - Results

Speaker

Daniel Snowden-Ifft

10:00

10:20

Earth and Planetary Sciences

Session | Location: Mercure Budapest Castle Hill 41-43 Krisztina Korut, Budapest, 1013 (GPS: 47.498822, 19.027326)

10:20–10:35

PCA-Based Multivariate Analysis of Muography Time Series at the Sos Enattos Mine

Speaker

Matias Tramontini

10:35–10:50

Density Evaluation Strategies for the Mt. Vesuvius Great Cone

Speaker

Yanwen Hong

10:50–11:05

Probing the Solid Earth with Cosmic-Ray Muons: From Volcanoes to Crust-Mantle Transition Zones

Speaker
László Oláh

11:05-11:20

Towards the Integration of Muography into EPOS: A New Observational Data Type for Geosciences

Speaker
Marko Holma

11:20-11:35 **Muography on Mars and on the Moon**

Speaker
József Gábor Szűcs

11:35-11:50

Modeling Martian Muon Flux and Subsurface Attenuation: Assessing the Feasibility of Muography in Lava Tubes

Speaker
Nicole Orientale

11:50