

Monday 21 July

17:25

Cosmology, Astrophysics, Gravity, Mathematical Physics

Session | Location: Room 3 | Convener: Prof. Shalini Thakur

17:25-17:50

FIT: a high-resolution scintillating-fiber tracker with SiPM readout for future space applications

Speaker

Kimberly Sarah Keyser

17:50-18:15

EPSI R&D: A Novel Charge Sign Discrimination Technique for Electrons and Positrons in Space

Speaker

Giacomo De Giorgi

Wednesday 23 July

17:50

Cosmology, Astrophysics, Gravity, Mathematical Physics

Session | **Location:** Room 1 | **Convener:** Francesco Loparco

17:50-18:10 The Zirè detector on board the NUSES space mission

Speaker

Giuliana Panzarini

18:10-18:30

A Two-Dimensional fit approach to sea-level muon flux modelling and its integration into Geant4 models

Speaker

Catalin Frosin

18:30-18:50

The ACROMASS project for the study of the charged components of the atmospheric cosmic radiation

Speakers

Dr Catalin Frosin, Lorenzo Bonechi

18:50 17:50

Cosmology, Astrophysics, Gravity, Mathematical Physics

Session | **Location:** Room 2 | **Convener:** Prof. Tommaso Dorigo

17:50-18:15

The scintillating fiber tracker of the Zirè detector onboard the NUSES satellite

Speaker

Dr Leonarda Lorusso

Thursday 24 July

09:30

Cosmology, Astrophysics, Gravity, Mathematical Physics Session | Location: Room 1 | Convener: Dr Catalin Frosin

09:30-10:00

Search for dark matter-related features in the Galactic gamma-ray energy spectra

Speaker

Francesco Loparco

Monday 28 July

11:00

Cosmology, Astrophysics, Gravity, Mathematical Physics Session | Location: Room 1 | Convener: Prof. Yanxi Zhang

11:00-11:25

The SABRE South Experiment at the Stawell Underground Physics Laboratory

Speaker

Dr Irene Bolognino

Tuesday 29 July

Cosmology, Astrophysics, Gravity, Mathematical Physics
Session | Location: Room 1 | Convener: Prof. Larissa Bravina

17:00-17:25 Mass Composition Studies at the Pierre Auger Observatory

Speaker
Nikolas Denner

Wednesday 30 July

09:00 Cosmology, Astrophysics, Gravity, Mathematical Physics Session | Location: Room 1 | Convener: Prof. Vladimir Dzhunushaliev 09:00-09:30 Vacuum energy reduction by massless scalar field Speaker Elena Arbuzova 09:30-10:00 AEgIS experiment: recent developments and upgrades Speaker Kamila Marta Kempny 10:00 17:00 Cosmology, Astrophysics, Gravity, Mathematical Physics **Session** | **Location:** Room 1 | **Convener:** Prof. Elena Arbuzova 17:00-17:30 Dilaton in a Deformed Gross-Neveu Model Speaker Prof. Gordon Semenoff 17:30-17:55 Born-Infeld type tachyonic dark energy model revisited with Pantheon+ Speaker **Balazs Kacskovics**

Thursday 31 July

09:05

Cosmology, Astrophysics, Gravity, Mathematical Physics
Session | Location: Room 1

09:05-09:30

Review of requirements and possible solutions for the Input Mode Cleaner of the Einstein Telescope Interferometers

Speaker

Antonino Chiummo