

## **Session Program**

**Sep 6 - 9, 2022**



# **RICAP-22 Roma International Conference on AstroParticle Physics**

## ***Cosmic Rays - 1***

Physics Department, University "La Sapienza", Roma, Italy, Aula Amaldi  
Piazzale Aldo Moro 2 00185 Roma

## Wed, September 7

2:00 PM

### Cosmic Rays - 1

**Session** | **Location:** Aula Conversi | **Conveners:** Paolo Desiati, Philipp Mertsch

2:00 - 2:20 PM

#### Study of cosmic-ray solar modulation with the PAMELA experiment

**Speaker**

Alex Lenni

2:20 - 2:40 PM

#### Modeling solar modulation of cosmic rays in light of new data from AMS-02 and PAMELA

**Speaker**

Nicola Tomassetti

2:40 - 3:00 PM

#### Precision Measurement of the Monthly Proton, Helium, Carbon and Oxygen Fluxes in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station

**Speakers**

Dr Alejandro Reina Conde, Dr Federico Donnini

3:00 - 3:20 PM

#### Electron and positron fluxes in primary cosmic rays measured with the AMS-02 detector on the ISS

**Speaker**

Matteo Duranti

3:20 - 3:40 PM

#### The High-Energy Particle Detector (HEPD-01): observations and results after 4 years in orbit

**Speaker**

Matteo Martucci

3:40 - 4:00 PM

#### Inference of the Local Interstellar Spectra of Cosmic-Ray Nuclei $Z \leq 28$ with the GALPROP-HELMOD Framework: Prediction Capability and Hints of Excesses

**Speaker**

Nicolò Masi

4:00 - 4:20 PM

#### Self-confinement of low-energy cosmic rays around supernova remnants

**Speaker**

Hanno Jacobs

4:20 PM