

Session Program

19-23 Jun 2023



Advances in Space AstroParticle Physics (ASAPP2023) - 1st edition

Direct High-Energy Cosmic Ray Measurements (Space and balloon-borne)

Perugia (IT)
Via Deruta, 43, 06132 San Martino In Campo PG

Tuesday 20 June

09:00

Direct High-Energy Cosmic Ray Measurements (Space and balloon-borne)

Session | **Location:** Perugia (IT), Via Deruta, 43, 06132 San Martino In Campo PG | **Convener:** Park, Nahee

09:00–09:25 **Highlights from CALET on the ISS**

Speakers

Marrocchesi, Pier Simone, Marrocchesi, Pier Simone

09:25–09:50 **DAMPE: mission status and prospects**

Speaker

Wu, Xin

09:50–10:15 **The Alpha Magnetic Spectrometer on the International Space Station**

Speaker

Casaus, Jorge

10:15–10:40 **AMS-L0: upgrade status and prospects**

Speaker

Ambrosi, Giovanni

10:40

10:55

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10:55–11:20

The General AntiParticle Spectrometer - Search for Dark Matter using Cosmic-ray Antinuclei

Speaker

Von Doetinchem, Philip

11:20–11:45 **A pressurized Helium calorimeter for Antideuteron identification.**

Speaker

Nozzoli, Francesco

11:45–12:10 **Status of HELIX, a balloon-borne magnet spectrometer**

Speaker

Park, Nahee

12:10–12:35 **SuperTIGER and TIGERISS mission status and prospects**

Speaker

Rauch, Brian

12:35–13:00

Search for Strange Quark Matter from the ISS with the ISS-SQM experiment

Speaker

Casolino, Marco

13:00

14:30

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14:30-14:55 Introduction of the HERD space mission

Speaker

Prof. DONG on behalf of the HERD collaboration, Yong-wei

14:55-15:20 AMS-100: The next generation magnetic spectrometer in Space

Speakers

Schael, Stefan, Siedenburg, Thorsten

15:20-15:45 ALADInO: Antimatter Large Acceptance Detector In Orbit

Speaker

Bertucci, Bruna

15:45-16:10 New technologies for superconducting magnets in the space.

Speakers

Iuppa, Roberto, Rossi, Lucio

16:10

16:25

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16:25-16:50 The Plastic Scintillator Detector of HERD experiment

Speaker

Gargano, Fabio

16:50-17:15

Double Photodiode read-out system for the calorimeter of the HERD experiment: challenges and new horizons in technology for the direct detection of high energy cosmic rays

Speaker

Betti, Pietro

17:15-17:40

The impact of crystal non-proportional light yield on the calibration of space calorimeters.

Speaker

Pacini, Lorenzo

17:40-18:05

Energy Scale Calibration of Calorimeters in Space using Moon Shadow

Speaker

Oliva, Alberto

18:15