

Session Program

12-16 May 2025



Advances in Space AstroParticle Physics (ASAPP2025) - 2nd edition

Instrumentation and missions for direct high- energy CR measurements

Sant Feliu de Guíxols, Girona (ES)
Punta de Port Salvi, s/n, Carrer de Port Salvi, 14, 17220 Sant Feliu de Guíxols, Girona, Espana

Tuesday 13 May

09:00

Instrumentation and missions for direct high-energy CR measurements

Session | Location: Hotel Eden Roc

09:00–09:25 **The Silicon Tracker L0 Upgrade of the AMS-02 experiment on the ISS**

Speaker

Ambrosi, Giovanni

09:25–09:50 **Current Status of the HERD Space Project**

Speaker

Wang, Zhigang

09:50–10:15

BeER: a multi-purpose, high-resolution, high dynamic-range charge detector well suited for cosmic ray measurements and various applications.

Speaker

Pacini, Lorenzo

10:15–10:40 **Nuclear Cross Section for Cosmic Rays Experiments**

Speaker

Oliva, Alberto

10:40

10:55

Instrumentation and missions for direct high-energy CR measurements

Session | Location: Hotel Eden Roc

10:55–11:20 **The TIGERISS Galactic Cosmic Ray Mission**

Speaker

Rauch, Brian

11:20–11:45 **Cosmic anti-deuteron observation in space with a gas He detector**

Speaker

Prof. Zuccon, Paolo

11:45–12:10

A high energy cosmic radiation modular telescope at the Moon: the MoonRay concept

Speaker

Prof. Marrocchesi, Pier Simone

12:10–12:35

SQM-ISS: A dual-mode detector for the search of Strange Quark Matter and other Dark Matter candidates in space

Speaker

Plebaniak, Zbigniew

12:35