

Session Program

12-16 May 2025



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

Posters

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

22:00

Posters: Direct CRs and R&D

Session | **Location:** Hotel Eden Roc

22:00-22:02

Particle identification in high-granularity 3D calorimeters for space-borne applications

Speaker

Brugnoni, Claudio

22:02-22:04

Characterization and Calibration of the FIT SiPM Read-Out System

Speaker

Lathika, Keerthana Rajan

22:04-22:06

A new measurement of Light Yield Quenching in EJ-200 and LYSO scintillators

Speaker

Nozzoli, Francesco

22:06-22:08

Silicon sensors for the AMS-L0 Upgrade: beam test setup and results

Speaker

Jiang, Yaozu

22:08-22:10

Preliminary Design Study of a Superconducting Spectrometer for Light Galactic Antinuclei Detection

Speaker

Gryniuk, Oleksii

22:10-22:12

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

Speaker

Lorusso, Leonarda

22:12-22:14

Search for Primordial Black holes from the International Space Station with the SQM-ISS detector

Speaker

Liberatori, Francesca

22:14-22:16

Advanced Particle Classification in Space Missions Using Transformers

Speaker

Bossa, Maria

22:16-22:18

Advanced readout logic for the XGIS instrument: discriminating X-ray and gamma-ray photons from background and particles

Speaker

Calabretto, Paolo

22:18-22:20

Characterisation and calibration of SiPMs and read-out system for space-borne plastic scintillator detectors**Speaker**

Ms Ghose, Essna

22:20-22:22

Evaluation of Timepix3 for applications as a Compton scatter polarimeter for hard X- and soft γ -rays**Speaker**

Jelinek, Jindrich

22:22-22:24

AstroPix: HV-CMOS monolithic active pixel sensors for gamma-ray observatories**Speaker**

Dr Violette, Daniel

22:24-22:26

Design of a CubeSat flight-demonstrator for LGAD Si-microstrip devices**Speakers**

Cavazzuti, Elisabetta, Miliucci, Marco

22:26-22:28

The ANTARES4 Readout ASIC for the Second Flight of the GAPS Experiment**Speaker**

Ghislotti, Luca

22:28-22:30

Characterization and quality control of the SMART board for the ADAPT hodoscope and calorimeter**Speaker**

De Palma, Gaia

22:30-22:32

Using X-Ray Fluorescence to characterize lunar regolith**Speaker**

Dr Silveri, Leandro

22:32-22:34

Measurements on capacitance mitigation approaches for LGAD Si-microstrip tracking devices**Speaker**

Hu, Jiayu

22:34-22:36

The SiSMUV Project: Development and Characterization of SiPM-Based UV-Light Detectors for Space Telescope Applications**Speaker**

Scotti, Valentina

22:36-22:38

Preliminary results of the 64-channel MIZAR ASIC for SiPMs readout

Speaker

Di Salvo, Andrea

22:38-22:40

Application of high-Temperature Superconducting (HTS) Magnets in space-based Cosmic Ray Detection and Radiation shielding

Speaker

Jain, Vidhi

23:30

Thursday 15 May

22:00

Posters: Indirect CRs, Low energy CRs, X-rays and gamma-rays

Session | Location: Hotel Eden Roc

22:00-22:02

A Nanosatellite-sized detector for sub-MeV charged Cosmic Ray Fluxes in Low Earth Orbit: The Low Energy Module (LEM) onboard the NUSES Space Mission

Speaker

Nicolaidis, Riccardo

22:02-22:04

Event reconstruction strategies for the High-Energy Particle Detector (HEPD-02) onboard the ready-to-launch CSES-02

Speaker

Dr Perinelli, Alessio

22:04-22:06

Study of the response to antiprotons from HEPD-02 on CSES-02

Speaker

Pietroni, Silvia

22:06-22:08

An innovative technique for direct Cosmic Ray Detection based on the Monolithic Active Pixel Sensors tracker of HEPD-02

Speaker

Puccetti, Niccolo

22:08-22:10

Pile-up studies and statistics: numerical simulations and experimental results with MAPMTs in single photoelectron counting mode

Speaker

M'sihid, Enzo

22:10-22:12

Correction for pile-up in the photon counting measurements of the Mini-EUSO experiment onboard the ISS

Speaker

M'sihid, Enzo

22:12-22:14

The Fluorescence Camera for the PBR mission

Speaker

Cafagna, Francesco

22:14-22:16

Simulation of a SiPM Based Cherenkov Camera

Speaker

Buckland, Isaac

22:16-22:18

On-board and on-ground operations for the Mini-EUSO telescope on-board the International Space

Speaker

Marcelli, Laura

22:18-22:20

Study of performances and characterization of SiPMs (Hamamatsu S13161) for the next generation of telescopes in balloon-borne and space-based experiments**Speaker**

Caruso, Rossella

22:20-22:22

Ultra high energy cosmic ray detection using SiPMs (silicon photomultipliers)**Speaker**

Dr Popescu, Florin-Adrian

22:22-22:24

The X- γ detector onboard the POMMA-Balloon with Radio payload**Speaker**

Battisti, Matteo

22:24-22:26

WINK: A pathfinder towards innovation in X and Gamma Ray detection from Space**Speaker**

Tambone, Matteo

22:26-22:28

Early operations and first data of the high-energy HERMES payload onboard SpIRIT**Speaker**

Baroni, Giulia

22:28-22:30

Testing and characterization of XGIS detectors for THESEUS mission**Speaker**

Srivastava, Smiriti

22:30-22:32

The Large Area Detector for future spectral-timing space missions**Speaker**

Della Casa, Giovanni

22:32-22:34

The Anti Coincidence Detector for the APT Antarctic Demonstrator**Speaker**

Gargano, Fabio

22:34-22:36

Gamma-Ray Burst Polarimetry with the POLAR and POLAR-2 missions**Speaker**

De Angelis, Nicolas

23:30