

Session Program

19-23 Jun 2023



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

Direct hard-X-ray and γ -ray measurements

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

Wednesday 21 June

09:00

Direct hard-X-ray and γ -ray measurements

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

09:00–09:25

The Imaging X-ray Polarimetry Explorer (IXPE) and new directions for the future

Speaker

Soffitta, Paolo

09:25–09:50

The enhanced X-ray Timing and Polarimetry mission

Speaker

Feroci, Marco

09:50–10:15

Scattering Polarimetry in the hard X-Ray range

Speaker

Costa, Enrico

10:15–10:40

Tracking detectors for X-rays

Speaker

Latronico, Luca

10:40

10:55

Direct hard-X-ray and γ -ray measurements

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

10:55–11:20

Perspectives for the next generation of MeV-GeV gamma-ray space missions

Speaker

Mazziotta, Nicola

11:20–11:45

COSI mission status and prospects

Speaker

Tomsick, John

11:45–12:10

Gamma Ray Burst localization with GECCO's BGO anticoincidence shields.

Speaker

Vigliano, Alessandro Armando

12:10–12:35

COMCUBE: A compact Compton telescope in a 6U CubeSat

Speaker

Murphy, David

12:35–13:00

Gamma-ray performance of the HERD trigger system

Speaker

Fariña, Luis

13:00

14:30

Direct hard-X-ray and γ -ray measurements

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

14:30-14:55

The HERMES Pathfinder and SPIRIT constellation: design and development

Speaker

Campana, Riccardo

14:55-15:20

Crystal Eye: a wide sight on the Universe for X and gamma ray detection

Speaker

Barbato, Felicia

15:20-15:45

LIGHT-1: A 3U Cubesat Mission for the detection of Terrestrial Gamma-Ray Flashes

Speaker

Di Giovanni, Adriano

15:45-16:10

The technology roadmap of the XGIS instrument for the THESEUS mission and other mission opportunities

Speaker

Virgilli, Enrico

16:10

16:25

Direct hard-X-ray and γ -ray measurements

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

16:25-16:50

Xray-CMOS: a large field of view X-ray polarimeter

Speakers

Baracchini, Elisabetta, Mr Dho, Giorgio

16:50-17:15

Ultracompact space-borne telescope for VHE gamma rays detection

Speaker

Bandiera, Laura

17:15-17:35

High Angular Resolution Satellite Array for Dark Matter Annihilation Gamma Ray Detection

Speaker

Gaitskell, Richard

17:35-17:55

X-ray Polarimetry with Machine Learning: A Hybrid Approach for Tracks Reconstruction in Gas Pixel Detectors

Speaker

Cibrario, Nicolo'

17:55-18:15

The Antarctic Demonstrator for the Advanced Particle-astrophysics Telescope (ADAPT)

Speakers

Di Venere, Leonardo, Di Venere, Leonardo

18:25