

XVIII International Conference on Topics in Astroparticle and Underground Physics (TAUP 2023)

Monday, 28 August 2023

High-energy astrophysics and cosmic rays: parallel session 1 - Franz-König lecture hall (14:30 - 16:00)

-Conveners: Xiaoyong Chu

time	[id] title	presenter
14:30	[511] Understanding the Origin of Cosmic-Ray Electrons	WENG, Zhili
14:45	[89] Scrutinizing current uncertainties on cosmic-ray positron predictions	DE LA TORRE LUQUE, Pedro
15:00	[504] Unique Properties of Primary Cosmic Rays: Results from the Alpha Magnetic spectrometer	WANG, Zhaomin
15:15	[496] Antiproton Flux and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS	WENG, Zhili
15:30	[127] Latest results from the DAMPE space mission	DE MITRI, Ivan
15:45	[214] The HERD experiment: new frontiers in detection of high energy cosmic rays	Dr BETTI, Pietro

High-energy astrophysics and cosmic rays: parallel session 2 - Franz-König lecture hall (16:30 - 18:30)

-Conveners: Ivan De Mitri

time	[id] title	presenter
16:30	[471] The GAPS Experiment: An Antarctic Balloon Mission Searching for Dark Matter with Cosmic Antinuclei	BRIDGES, Gabriel
16:45	[368] Semi-annual Galactic helium spectra measured by the High Energy Particle Detector 01 (HEPD-01) on board the CSES-01 Satellite	Dr PANICO, Beatrice
17:00	[445] AMS measurement of the deuterons flux over a solar cycle	ZUCCON, Paolo
17:15	[505] Unique Properties of Cosmic Li and Be isotopes	WEI, Jiahui
17:30	[522] Cosmogenic nuclide production by radiation from supernovae	BREIER, Robert
17:45	[303] The NUSES space mission	Dr TRIMARELLI, Caterina

Tuesday, 29 August 2023

High-energy astrophysics and cosmic rays: parallel session 3 - Franz-König lecture hall (14:00 - 15:30)

-Conveners: Marco Ajello

time	[id] title	presenter
14:00	[491] The impact of model realism on interpretations of the Galactic Center Excess	ECKNER, Christopher
14:15	[116] Investigating the gamma-ray burst from decaying MeV-scale axion-like particles produced in supernova explosions	CARENZA, Pierluca
14:30	[163] Recent HAWC Science Results	MALONE, Kelly
14:45	[562] A Preliminary Look at the 4HWC Very-High-Energy Gamma-Ray Source Catalog	GROETSCH, Sam
15:00	[537] The MAGIC of VHE gamma-ray astronomy: 20 years, 200 peer-reviewed publications and beyond	PANEQUE CAMARERO, David

High-energy astrophysics and cosmic rays: parallel session 4 - Franz-König lecture hall (16:00 - 18:00)

-Conveners: Christopher ECKNER

time	[id] title	presenter
16:00	[475] Performance of the joint observations with CTA LST-1 and MAGIC	SUDA, Yusuke
16:15	[535] Axion-like particles constraints obtained by MAGIC observations of the Perseus cluster	MANGANARO, Marina
16:30	[338] Probing the Extragalactic Background Light with the MAGIC telescopes.	GRAU HARO, Roger
16:45	[301] Probing traces of intergalactic magnetic fields from gamma-ray bursts with very-high energy gamma-ray detectors	MICELI, Davide
17:00	[255] Insights into the high-energy emission of archetypical TeV blazars from the first X-ray polarization measurements	HECKMANN, Lea Alina
17:15	[512] Constraints on Lorentz Invariance Violation using the extraordinary flare of Mrk 421 in 2014	STRIŠKOVIĆ, Jelena

Wednesday, 30 August 2023

High-energy astrophysics and cosmic rays: parallel session 6 - Franz-König lecture hall (16:30 - 18:30)

-Conveners: David Paneque Camarero

time	[id] title	presenter
16:30	[290] Results from the Telescope Array	MATTHEWS, John
16:45	[536] With AugerPrime to the Phase 2 of the Pierre Auger Observatory	MARTELLO, Daniele
17:00	[352] Anisotropy studies of ultra-high-energy cosmic rays measured at the Pierre Auger Observatory	SCHULTE, Josina
17:15	[275] Sensitivity Study of IceCube-Gen2 Surface Array for Cosmic-Ray Anisotropy	HOU, Wenjie
17:30	[371] Towards the Composition of sub-PeV Cosmic Rays at IceCube	SAFFER, Julian
17:45	[70] Latest Results and Lessons Learned from the ANTARES Neutrino Telescope	SALESA GREUS, Francisco

Thursday, 31 August 2023

High-energy astrophysics and cosmic rays: parallel session 7 - Franz-König lecture hall (14:00 - 15:30)

-Conveners: **Fiorenza Donato**

time	[id] title	presenter
14:00	[156] Astrophysical interpretation of energy spectrum and mass composition of cosmic rays as measured at the Pierre Auger Observatory	Dr GUIDO, Eleonora
14:15	[305] Low-luminosity jetted AGN as particle multi-messenger sources	REIMER, Anita
14:30	[218] Investigation of Multi-Messenger Properties of FR0 Radio Galaxy Emitted Ultra-High Energy Cosmic Rays	LUNDQUIST, Jon Paul
14:45	[460] A Multimessenger Study of Blazars	Prof. SAHAKYAN, Narek
15:00	[104] Study of UHE gamma emission from Star Forming Regions with LHAASO	LI, Cong
15:15	[408] Galactic Diffuse Gamma Rays and PeVatron Candidate Sources Observed by the Tibet ASgamma Experiment	Dr KAWATA, Kazumasa

High-energy astrophysics and cosmic rays: parallel session 8 - Franz-König lecture hall (16:00 - 18:00)

-Conveners: **Anita Reimer**

time	[id] title	presenter
16:00	[470] Phenomenological models comparison to untangle the origin of the gamma-ray emission from the Galactic Centre region	VENTURA, Sofia
16:15	[201] The Galactic population of high-energy gamma-ray sources and the contribution of its unresolved component to the diffuse gamma and neutrino emissions	Prof. VILLANTE, Francesco Lorenzo Dr PAGLIAROLI, Giulia Dr VECCHIOTTI, Vittoria
16:30	[298] Hadronic or leptonic astrophysical particle accelerators? Breaking model degeneracy with gamma-ray variability	MARTI-DEVESA, Guillem
16:45	[428] Multi-messenger emissions by magnetar remnants of binary neutron-star mergers	Dr MUKHOPADHYAY, Mainak
17:00	[555] Rapid Generation of Kilonova Light Curves Using Conditional Variational Autoencoder	Mr SAHA, Surojit
17:15	[205] Unveiling the seasonal variation of multi-muon events at the NOvA Detector	TUNEU, Jordi
17:30	[582] Constraining models of hadronic showers using proton-Oxygen collisions at the LHC with proton/neutron tagging	PITT, Michael