

8th Heidelberg International Symposium on High-Energy Gamma-Ray Astronomy

Monday 2 September 2024

Parallel 1 - Aula Magna (14:00 - 16:00)

-Conveners: **Andrea De Luca**

time	[id] title	presenter
14:00	[10] On the origin of the spectral features observed in the cosmic ray spectrum	RECCHIA, Sarah
14:15	[63] The Galactic diffuse gamma-ray and neutrino emission at the PeV frontier	GAGGERO, Daniele
14:30	[93] On the distribution of cosmic rays in the Galactic Center region: new insights from H.E.S.S.	DEVIN, Justine
14:45	[83] Early-time constraints on CR acceleration in the core-collapse SN 2023ixf with Fermi-LAT	MARTÍ-DEVESA, Guillem
15:00	[98] Cosmic ray propagation in the ISM: the importance of mirroring diffusion to produce ultra high energy gamma rays in the Galaxy	BARRETO-MOTA, Lucas
15:15	[163] Probing circumgalactic cosmic rays around the Milky Way via GeV-PeV gamma rays and neutrinos	INOUE, Susumu
15:30	[202] Cosmic-ray propagation in the Galaxy: Insights from TeV halos and the diffuse emission - [REMOTE]	GIACINTI, Gwenael
15:45	[204] The dynamical impact of cosmic rays in Milky Way-like galaxies	KJELLGREN, Karin

Parallel 1 - Aula Magna (16:30 - 18:00)

-Conveners: **Patrizia Caraveo**

time	[id] title	presenter
16:30	[11] High Energy Phenomena at the Galactic Center: Fermi Bubbles and Sgr A Lobes	GUO, Fulai
16:45	[21] Non-thermal lobe of the Milky Way powered by the Galactic Center outflows	ZHANG, Heshou
17:00	[158] Prospects on detection of the Fermi Bubbles with CTAO	XOTTA, Francesco
17:15	[188] The role of the diffuse gamma-ray emission in the study of the Galactic Centre region	VENTURA, Sofia
17:30	[161] The Galactic Center as seen by the Southern Wide field-of-view Gamma-ray Observatory	REN, Helena

Tuesday 3 September 2024

Parallel 1 - Aula Magna (14:00 - 16:00)

-Conveners: Josep Maria Paredes

time	[id] title	presenter
14:00	[178] A study of the very-high-energy emission of the Crab pulsar with the LST-1	MAS-AGUILAR, Álvaro
14:15	[16] Investigating the high-energy & very-high-energy gamma-rays of the Geminga pulsar with Fermi-LAT & CTAO LST-1	YEUNG, Paul K. H.
14:30	[17] Finding Pulsar TeV halos among VHE sources	WANG, Zhongxiang
14:45	[165] Concurrent spectral and light curve synchro-curvature modelling of pulsars	ÍÑIGUEZ-PASCUAL, Daniel
15:00	[169] Discovery of Multi-TeV Pulsations from PSR J1509-5850 with H.E.S.S.	DJANNATI-ATAÏ, Arache
15:15	[112] On the expected orbitally-modulated TeV signatures of spider binaries	VENTER, Christo
15:30	[167] WITHDRAWN - From gamma rays to gravitational waves: multi-messenger emission from pulsar glitches	RAZZANO, Massimiliano
15:45	[170] Withdrawn - Recent progress in understanding the physics of radio pulsars.	TIMOKHIN, Andrey

Parallel 1 - Aula Magna (16:30 - 18:00)

-Conveners: Andrea Giuliani

time	[id] title	presenter
16:30	[12] Observational Evidence for Magnetic Field Amplification in SN 1006	TAO, Moeri
16:45	[39] Connection between the Supernova Remnant G284.3-1.8 and the Gamma-ray Binary 1FGL J1018.6-5856: Implications from X-ray Observations with Suzaku	TANAKA, Takaaki
17:00	[42] Clouds illuminated by supernova remnants as an explanation for LHAASO unidentified sources	MITCHELL, Alison
17:15	[68] An X- and gamma-ray view of the sky region around SNR G69.7+1.0	RIGOSELLI, Michela
17:30	[75] Large zenith angle observation of the PeVatron candidate SNR G106.3+2.7 with the LST-1 and the MAGIC telescopes	EMERY, Gabriel
17:45	[157] ALMA CO Observations toward the Gamma-Ray Supernova Remnant W28	SANO, Hidetoshi

Wednesday 4 September 2024

Parallel 1 - Aula Magna (14:00 - 16:00)

-Conveners: Alison Mitchell

time	[id] title	presenter
14:00	[171] Detection of molecular clouds in the Vela X region by the NANTEN telescope and study of the interaction between the clouds and the pulsar-wind nebula	KATO, Sei
14:15	[151] Transient gamma rays from the 2021 outburst of RS Ophiuchi	PHAN, Vo Hong Minh
14:30	[70] Recent Fermi novae in a multi-wavelength context - [REMOTE]	FAUVERGE, Paul
14:45	[22] Constraining particle acceleration in young massive compact star clusters with 3D MHD simulations.	HÄRER, Lucia
15:00	[72] PeV particles from stellar wind termination shocks	INVENTAR, Alexandre
15:15	[90] Young Massive Star Clusters as Galactic PeVatrons	BONOLLO, Alberto
15:30	[91] Contribution of young massive stellar clusters to the Galactic diffuse gamma-ray emission - [REMOTE]	Dr MENCHIARI, Stefano
15:45	[86] Massive star clusters in the gamma-ray sky	PERON, Giada

Parallel 1 - Aula Magna (16:30 - 18:00)

-Conveners: Josep Martí

time	[id] title	presenter
16:30	[19] Deciphering the gamma-ray emission from the Cygnus region	VIEU, Thibault
16:45	[197] The ASTRI-Mini Array view of the Cygnus region	Dr D'AI', Antonino
17:00	[35] Vicissitudes in the propagation of highly-energetic gamma rays in our Galaxy	DI MARCO, Gaetano
17:15	[80] Investigating the hadron nature of high-energy photons with PeVatrons	Dr DI SCIASCIO, Giuseppe
17:30	[196] Indirect dark-matter searches with gamma-rays experiments : status and future plans from 300 KeV to 100 TeV	MORSELLI, Aldo

Thursday 5 September 2024

Parallel 1 - Aula Magna (13:50 - 15:50)

-Conveners: Julian Sitarek

time	[id] title	presenter
13:50	[94] Investigating hadronic PeVatrons with X-ray and CO observations	TSUJI, Naomi
14:05	[133] VERITAS Observations of New LHAASO Sources	LUNDY, Matthew
14:20	[49] Ultra-high energy emission from gamma ray binaries	LI, cong
14:35	[60] Clustering analysis of Fermi-LAT unidentified point sources	COZZOLONGO, Giovanni
14:50	[77] Can Fermi-LAT unassociated sources be mismodeled interstellar gas?	BALLET, Jean
15:05	[150] H.E.S.S. detection of very high energy emission surrounding the microquasar V4641 Sgr - [REMOTE]	OLIVERA-NIETO, Laura
15:20	[66] On the nature of the transient gamma-ray source associated with a protostar	DEL VALLE, María Victoria

Parallel 1 - Aula Magna (18:00 - 19:00)