



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

## Monday 2 September 2024

### Poster hang (09:00 - 11:00)

time	[id] title	presenter
09:00	[23] A Fermi-GBM Subthreshold Search Optimized for Magnetars	FLETCHER, Corinne
09:01	[26] Gamma-ray emission from dwarf novae	LUQUE ESCAMILLA, Pedro Luis
09:02	[53] Modelling a PeVatron source associated with a SNR	Mrs MASOTTI, Jaqueline de Fatima
09:03	[69] Searching for highly obscured gamma-ray binaries	MARTÍ, Josep
09:04	[73] Modeling Nonthermal Emission in a Stellar Bubble	COSTA LACERDA ESPINOSA, Luna
09:05	[137] Simulation of the gamma-ray flux of electrospheres and study of its detectability in our Galaxy	Mr FRANCEZ, Théo
09:06	[180] Very-High-Energy Gamma-ray observations of the Galactic magnetar SGR 1935+2154 with the CTAO Large-Sized Telescope prototype	PANEBIANCO, Gabriele
09:08	[208] Cherenkov Radiation from Quantum Vacuum in Pulsars	GOULART COELHO, Jaziel
09:09	[214] Modelling the very high-energy gamma-ray emission from accreting neutron stars in X-ray binaries: a theoretical framework for future observations	DUCCI, Lorenzo Dr ROMANO, Patrizia
09:10	[43] Expected gamma-ray emission from Stellar Clusters acting as Galactic PeVatrons	MITCHELL, Alison
09:11	[57] Deriving Pulsar Properties from Pulsar Wind Nebulae Using Gamma-Ray And Radio Data	SPENCER, Samuel Timothy
09:12	[123] Particle acceleration by relativistic shocks induced by density fluctuations	MORIKAWA, Kanji
09:13	[189] Testing for a "Crab-like" Emission Tail above 10 GeV from the Vela Pulsar and PSR B1706-44 using combined H.E.S.S. & Fermi-LAT data.	REGEARD, Maxime
09:14	[205] Fast turbulent magnetic reconnection and its implications for particle acceleration and high energy emission in compact objects	VICENTIN, Giovanni
09:15	[127] Multiwavelength study of the intermittent extreme HBL 1ES2344+514	MAJUMDAR, Pratik
09:16	[224] High-redshift blazars with AGILE	Dr VERCELLONE, Stefano
09:17	[78] Searching for Lorentz invariance violation with artificial neural networks	TERZIĆ, Tomislav
09:18	[8] Fermi-LAT Discovery of a Gamma-ray Outburst from Compact Steep Spectrum object 3C 216	Dr GIACCHINO, Federica
09:19	[114] Probing the CMB-cosmic ray connection: ultra-local and extragalactic effects	GALELLI, Claudio
09:20	[141] Gamma-Ray Potential Detection of Star-Forming Galaxies in the TeV Range	BOISSON, Catherine
09:21	[166] Multiwavelength and X-ray Polarization Study of BL Lacertae	BOULA, Stella

09:22	[55] Probing signatures of particle acceleration in blazar flares in a time-dependent SSC model.	ZECH, Andreas
09:23	[59] Gamma-rays from active region within stationary inhomogeneous non-local AGN jet	ŚMIAŁKOWSKI, Andrzej
09:24	[179] Optical follow-up of a sample of gamma-ray emitting jetted AGN	DALLA BARBA, Benedetta
09:26	[164] Study of Periodicity in Blazar Light Curves with a Machine Learning Approach	CRISTARELLA ORESTANO, Paolo
09:27	[174] Search for VHE Short-Timescale Variability in PG1553+113	RUINA, Arshia
09:28	[2] The Power of Relativistic Jets: A Comparative Study	Dr FOSCHINI, Luigi
09:29	[6] Recent optical spectral variability in the first gamma-ray detected NLS1: the case of PMN J0948+0022.	DALLA BARBA, Benedetta
09:30	[36] Investigating AGN Jet Recollimation Shocks: Findings from 2D and 3D RMHD Simulations	BOULA, Stella
09:32	[62] Searching for Axion-like particles: insights from blazar observations with the LST1 telescope	Dr BATKOVIC, Ivana
09:33	[129] FACT - Highlights from a Decade of Blazar Monitoring	DORNER, Daniela
09:34	[173] Artificial Neural Network Classification of the Fermi-LAT Catalog Blazars of Unknown Type and Unidentified Sources	Mr CASINI, Francesco
09:35	[106] Absorbed jets in gamma-ray narrow-line Seyfert 1 Galaxies: the case of SDSS J164100.10+345452.7	Dr ROMANO, Patrizia
09:36	[140] Multiwavelength modeling results of two flaring states of the distant HBL 1ES 0647+250	SPLETTSTOESSER, Megan
09:37	[135] Twelve years of PG 1553+113	Mr SILVESTRI, Giuseppe
09:39	[153] Blazar emission from gradual magnetic dissipation: the jet as a multitude of communicating segments	DIMITRAKOUDIS, Stavros
09:40	[203] Long-Term VERITAS Monitoring and Multi-Wavelength Data on TXS 0506+056: Probing Intergalactic Cascades with VERITAS, Swift, and Fermi Observations	MOONEY, Connor
09:41	[117] Parsec-scale simulations of jet-star interaction : dynamical and radiative effects	LONGO, BRUNO
09:42	[31] Accretion and ejection at work in the gamma-ray emitting jetted Narrow-Line Seyfert 1 galaxy 1H 0323+342	Dr ROSA, Valentina
09:43	[74] High-energy neutrino emission from global accretion flows and outflows around supermassive black holes: a GRMHD simulation-based model	KAWASHIMA, Tomohisa
09:44	[118] An orphan flare from a plasma blob crossing the broad-line region ?	ZECH, Andreas
09:45	[100] Recurrence plot analysis of blazar gamma-ray light curves: exploiting the time-domain capabilities of Fermi-LAT	GOKUS, Andrea
09:46	[50] Photo-hadronic pair creation in magnetospheric current sheets of accreting black holes	KARAVOLA, Despina
09:47	[131] Unbiased Long-Term Study - Revealing FACTs about the Harder-when-Brighter Behaviour of Mrk 421	SCHLEICHER, Bernd
09:49	[119] Historical Low-State of the Blazar 1ES 1959+650 at Very High Energies	NANCI, Cristina BRONZINI, Ettore
09:50	[67] Long term multi-wavelength analysis of the Flat Spectrum Radio Quasar OP 313	BARTOLINI, Chiara

09:51	[96] Modeling multiband SED and light curves of BL Lacertae using a time-dependent shock-in-jet model	Dr KHATOON, Rukaiya
09:53	[149] Multiwavelength correlation studies in the era of CTAO	ZACHARIAS, Michael
09:54	[120] Plasma instabilities in gamma-ray bright AGN	HOCHE, Yannik

# Wednesday 4 September 2024

## Poster hang (08:00 - 10:35)

time	[id] title	presenter
08:00	[3] Revisiting Magnetic Monopoles bounds in light of new results of the Intergalactic Magnetic Field	DORO, Michele
08:01	[14] Gamma-rays from quasi-spherical explosions	BEDNAREK, Wlodek
08:02	[192] Approaching ballistic motion in 3D simulations of gamma-ray burst jets emerging from realistic binary neutron star merger environments	CELOTTI, Annalisa
08:03	[201] Search for VHE emission from Fast Blue Optical Transients with the VERITAS telescopes	KHERLAKIAN, Maria
08:04	[27] Implications to particle acceleration at relativistic shocks from gamma-ray burst afterglows	Mr HUANG, Zhiqiu
08:05	[38] Exploring the impact of electromagnetic dissipation on ultrarelativistic plasma outflows	LOULES, Argyrios
08:06	[64] Exploring the Multi-Messenger Universe with VERITAS	JIN, Weidong
08:07	[71] A comparative analysis of X-ray lightcurves from X-ray vs GeV/TeV GRB afterglows and its implications.	VIGLIANO, Alessandro Armando
08:08	[132] AGILE activity on FRB high-energy counterparts search	VERRECCHIA, Francesco
08:09	[105] Search for DM signal features in the Galactic gamma-ray spectra with the Fermi LAT	GILIBERTI, Mario
08:10	[24] The Search for Gamma-ray Emission from Fermi-GBM Coincident with LVK O4 Events	FLETCHER, Corinne
08:11	[155] X-ray Flares of GRBs in High-Energy Gamma Rays.	Mr TIWARI, Pawan
08:12	[209] Theoretical Modeling of the Exceptional GRB 221009A	Dr FOFFANO, Luca
08:13	[220] Do minerals know about cosmic rays?	APOLLONIO, Lorenzo
08:14	[79] MeV gamma from Q-ball decay	KASUYA, Shinta
08:15	[159] Gamma-ray counterpart searches to neutrino astrophysical sources with the Cherenkov Telescope Array Observatory: simulations and performance studies	Dr MALLAMACI, Manuela
08:16	[213] Origin of early emission of Gamma-Ray Bursts at GeV energies.	Dr MACERA, Samanta
08:17	[13] Measurements of the optical spectral shape of early GRB emission from NUTTeIA-TAO	KOMESH, Toktarkhan
08:18	[193] Very high energy observations of BNS and BHNS mergers in the Einstein Telescope era	COLOMBO, Alberto
08:19	[182] Schwarzschild-Couder Telescope for the Cherenkov Telescope Array Observatory: Status and Progress	JIN, Weidong
08:20	[25] The Potential of Water-Cherenkov Air Shower Arrays for detecting transient sources of high-energy astrophysical neutrinos	SERRANO GONZÁLEZ, Borja
08:21	[110] From light curves to power spectra: unveiling time-domain behavior with gammapy	GALELLI, Claudio
08:22	[122] The INTEGRAL view of Fermi sky	MOLINA, Manuela

08:23	[172] Current status of the ALPACA project in Bolivia to search for PeVatrons in the southern sky	KATO, Sei
08:24	[15] Development of a background-estimation technique in regions of degree-scale gamma-ray emission for IACTs	WACH, Tina
08:25	[190] Machine learning enhancements for Cherenkov telescope data analysis	DI PIANO, Ambra
08:26	[199] A novel image cleaning technique for the VERITAS telescopes	KHERLAKIAN, Maria
08:27	[211] Use of pixel time parameters in ASTRI Mini-Array event reconstruction: application in gamma/hadron separation.	LA PAROLA, Valentina
08:28	[88] End-To-End Optimization of the Layout of a Gamma-Ray Observatory	RECABARREN, Luis
08:29	[109] Commissioning and Operation of the SST-1M Stereoscopic Imaging Atmospheric Cherenkov Telescopes	HELLER, Matthieu
08:30	[126] A Detector Test Facility for SWGO Experiment	CONSOLATI, Giovanni
08:31	[217] Radio counterparts of high-energy neutrino sources	TRIGILIO, Corrado
08:33	[216] The XGIS instrument: an unprecedented wide-band GRB monitor for future space mission opportunities	VIRGILLI, Enrico
08:34	[113] Towards a joint X-ray and gamma-ray analysis of Pulsar Wind Nebulae with Gammapy	EGG, Katharina
08:35	[187] Lowering the HAWC threshold to search for GRB Signals	DI SCIASCIO, Giuseppe
08:36	[219] Performance of Small Photomultiplier Tubes with Wavelength Shifting Plates for an SWGO-like Water Cherenkov Detector Using Geant4	STEWART, Jazmin
08:37	[194] ASTRI-Horn correlation between the Sky Quality Meter and the variance data.	MINEO, Teresa
08:38	[7] A novel image correction method for cloud-affected observations with Imaging Atmospheric Cherenkov Telescopes	ZYWUCKA, Natalia
08:39	[103] Convolutional Neural Network analyses for multi-TeV Gamma-ray Air Shower Observation with a Large Area Surface Detector Array	OKUKAWA, Sousuke
08:40	[108] GammaBayes	BALAZS, Csaba
08:41	[130] FACT - AGN Monitoring and Target-of-Opportunity Observations	DORNER, Daniela
08:42	[58] Intrinsic time delays and Lorentz invariance violation searches with the Cherenkov Telescope Array Observatory: A feasibility study for flaring blazars	ROSALES DE LEON, Alberto
08:43	[156] A first comprehensive analysis of the distributions of the ISM, gamma-rays, and X-rays over the Large Magellanic Cloud	Dr TSUGE, Kisetsu
08:44	[185] The Gamma Ray Origin in RX J0852.0-4622 Quantifying the Hadronic and Leptonic Components: Further Evidence for the Cosmic Ray Acceleration in Young Shell-type SNRs	SANO, Hidetoshi