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Active Galactic Nuclei	Juan-Carlos Algaba, Bindu Rani	Probing outflow and emission of a high redshift quasar
Active Galactic Nuclei	Peter Breiding, Eileen T. Meyer, Markos Georganopoulos, Adursh Iyer, Mary Keenan, and Jennifer Hewitt	Testing the IC/CMB model for the large scale jet X-ray emission in AGN with the Fermi/LAT
Active Galactic Nuclei	Aryeh Brill, The VERITAS Collaboration	VERITAS Observations of Flat-Spectrum Radio Quasars during Gamma-ray Flares
Active Galactic Nuclei	Liang Chen	Constrain jet parameters for gamma-ray-loud AGNs
Active Galactic Nuclei	Graziano Chiaro	Searching for unclassified blazars detected by Fermi LAT using artificial neural network algorithms
Active Galactic Nuclei	Stefano Ciprini	4LAC source SED fitting: a cooperative social experiment in the LAT Collaboration
Active Galactic Nuclei	Abhishek Desai, Kari Helgason; Marco Ajello	A GeV-TeV Measurement of the Extragalactic Background Light
Active Galactic Nuclei	Justin Finke	The Properties of Parsec-Scale Blazar Jets
Active Galactic Nuclei	Adam Harvey, Eileen T. Meyer	The seed factor: how a combination of four observables can unveil the location of the blazar GeV emission.
Active Galactic Nuclei	Jeffrey Hodgson, Bindu Rani, Junghwan Oh, Alan Marscher, Svetlana Jorstad, Sang-Sung Lee, Sascha Trippe, Florent Mertens, Yosuke Mizuno	"GRB-like" emission in the TeV-detected AGN 3C 84. A solution to the "Doppler crisis"?
Active Galactic Nuclei	Fumiya Imazato, Yasushi Fukazawa	Study of the Optical/UV and X-ray variability of NGC 1275 with Swift
Active Galactic Nuclei	Svetlana Jorstad, Alan Marscher, Valeri Larionov, and Karen Williamson	Connection between Gamma-ray Activity, Emission Line Variability, and Jet Behavior in Blazars
Active Galactic Nuclei	Matthias Kadler, M. Kreter, K. Mannheim, S. Buson, F. Krauß, R. Ojha, E. Ros	Calorimetric Assessment of Neutrino-Blazar Associations
Active Galactic Nuclei	Demosthenes Kazanas, Stella Boula, Apostolos Mastichiadis	MHD Accretion Disk Winds and the Blazar Sequence
Active Galactic Nuclei	Demosthenes Kazanas, Ioannis Contopoulos	Black Hole Magnetospheres and the Ice Cube Neutrinos
Active Galactic Nuclei	Michael Kreter, M. Kadler, R. Ojha, S. Buson, J. Wilms, M. Boettcher, on behalf of the Fermi/LAT Collaboration	Search for High-Redshift Blazars with Fermi/LAT
Active Galactic Nuclei	Tiffany Lewis, Justin Finke, Peter Becker	Acceleration Mechanisms in a Simplified Analytic Electron Distribution for Blazars
Active Galactic Nuclei	Benoit Lott, B. Lott, D. Gasparrini and S. Ciprini on behalf of the Fermi-LAT collaboration	The Fourth LAT AGN Catalog (4LAC)
Active Galactic Nuclei	Marina Manganaro, Bindu Rani, Giovanna Pedalletti and Elina Lindfors for the Fermi-LAT and MAGIC Collaborations	Modeling the broadband emission of blazar S50716+714 during its brightest outburst
Active Galactic Nuclei	Stefano Marchesi, Marco Ajello; Abhishek Desai; Amanpreet Kaur	Towards a full 3D mapping of the >10 GeV extragalactic sky: first results from an ongoing spectroscopic follow-up campaign of candidate blazars in the 3FHL catalog
Active Galactic Nuclei	Isabella Mereu	Detection of new gamma-ray transients sources in the extra galactic sky with Fermi-LAT
Active Galactic Nuclei	Monica Orienti, F. D'Ammando, M. Giroletti on behalf of the Fermi-LAT collaboration, and D.Dallacasa, G. Giovannini	Multi-band and polarization properties of the high-z flaring source S5 0836+710
Active Galactic Nuclei	Vaidehi Paliya, Marco Ajello, Mattia Di Mauro, Alberto Dominguez	Under-the-Threshold Populations with Fermi-LAT: the Case of Star-forming Galaxies and Extreme BL Lacs
Active Galactic Nuclei	Raj Prince, Gayathri Raman, Joachim Hahn, Nayantara Gupta, Pratik Majumdar	Fermi-LAT Observations of the brightest Gamma-ray flare ever detected from CTA 102
Active Galactic Nuclei	Bhoomika Rajput, C. S. Stalin, Sunder Sahayanathan	The complex optical and GeV flux variations in the flat spectrum radio quasar 3C 454.3
Active Galactic Nuclei	Ibrahim Safa, Ali Kheirandish and Francis Halzen	A new approach for identifying neutrino sources from Fermi catalogs
Active Galactic Nuclei	David Thompson, Christina D. Moraitis	Optimizing Multi-wavelength Blazar Studies through Fermi-LAT and Swift Synergy
Active Galactic Nuclei	Janeth Valverde, Janeth Valverde & Deirdre Horan on behalf of the Fermi-LAT Collaboration; Qi Feng & Olivier Hervet on behalf of the VERITAS Collaboration; and multi-wavelength partners.	A decade of observations of the TeV blazar 1ES 1215+303 with Fermi-LAT & VERITAS: Using LAT's unique capabilities to explore the physics of blazar jets.
Active Galactic Nuclei	Zachary Weaver, Svetlana G. Jorstad, Alan P. Marscher, Thomas J. Balonek, Valeri M. Larionov, and Paul S. Smith	The June 2016 Multi-Frequency Outburst and Optical Micro-Variability of the Blazar 3C454.3
Active Galactic Nuclei	Yajie Yuan, Alexander Yuran Chen, Huan Yang	Gamma-ray emission from pair-producing gaps at the base of AGN jets
Dark Matter and New Physics	Bijan Berenji	Constraints on Axions from Spatially-Extended Gamma Ray Emission from Neutron Stars
Dark Matter and New Physics	Sten Delos, Adrienne Erickcek, Tim Linden	The gamma-ray signature of an early matter-dominated era
Dark Matter and New Physics	Galo Gallardo, Rolf Buehler, Alberto Dominguez, Manuel Meyer	Search for axion-like particles through their effects on the transparency of the Universe with the Fermi LAT

Dark Matter and New Physics	Sheridan Lloyd, Prof Paula M. Chadwick, Dr Anthony M. Brown	Constraining axion mass through Fermi-LAT observations of pulsars
Diffuse Emissions	Ilias Cholis, Bhaskaran Balaji, Patrick J. Fox and Samuel D. McDermott	Analyzing the Gamma-Ray sky with Wavelets
Diffuse Emissions	Mattia Di Mauro, Fiorenza Donato, Silvia Manconi	Contribution of Geminga and Monogem Pulsar Wind Nebulae to the positron excess
Diffuse Emissions	David Green, Elizabeth A. Hays	Measurement of the Cosmic-ray Proton Spectrum with the Fermi Large Area Telescope
Diffuse Emissions	Katsuhiro Hayashi, T. Mizuno, Y. Fukui, A. Okumura, H. Tajima, on behalf of the Fermi-LAT collaboration	Study of the ISM and CRs in Chamaeleon region using the Planck thermal dust optical depth
Diffuse Emissions	Alexei Ivlev, V. A. Dogiel, D. O. Chernyshov, D. Malyshev, A. W. Strong, K. S. Cheng	Gamma-Ray Emission from Molecular Clouds Generated by Penetrating Cosmic Rays
Diffuse Emissions	Theo Joubaud, Isabelle Grenier, Jean-Marc Casandjan	Cosmic rays in the Orion-Eridanus superbubble
Diffuse Emissions	Chris Karwin, Simona Murgia, Sheldon Campbell, Igor Moskalenko	Fermi-LAT Observations of Gamma-ray Emission Towards the Outer Halo of M31
Diffuse Emissions	Carolyn Kierans, A. Zoglauer, S.E. Boggs, T.J. Brandt, J.-L. Chiu, A. Lowell, C. Sleator, J.A. Tomsick, J. Roberts, M. Amman, P. Jean, P. von Ballmoos	The Galactic positron annihilation signature detected by COSI
Diffuse Emissions	Tsunefumi Mizuno, on behalf of the Fermi-LAT collaboration	Study of the ISM and CRs in Local HI Clouds
Diffuse Emissions	Elena Orlando, Andrew Strong	StellarICs: Modeling the Quiescent Gamma-Ray Solar Emission
Diffuse Emissions	Elena Orlando	The Interstellar Cosmic Ray Spectrum from Multifrequency Observations of the Interstellar Emission
Diffuse Emissions	Elena Orlando	Galactic Diffuse Emission: Predictions for AMEGO and e-ASTROGAM
Diffuse Emissions	Elena Orlando	The Interstellar Gamma-Ray Inverse-Compton Emission: Model Improvements
Diffuse Emissions	Quentin Remy, Quentin Remy, Isabelle Grenier, Jean-Marc Casandjan	A 3D view of our Galaxy: gas, dust, and cosmic rays
Gamma Ray Bursts	Michael Briggs, R. Hamburg, P. Veres, C. M. Hui, D. Kocevski, A. Goldstein	The Fermi GBM Untargeted Search for Short GRBs and Other Transients
Gamma Ray Bursts	Maria Dainotti, Giacomo Vianello, Nicola Omodei, Vahe' Petrosian	Testing the closure relations for GRBs presenting plateau emission
Gamma Ray Bursts	Raphaël Duque, Robert Mochkovitch, Frédéric Daigne	Jets in Binary Neutron Star Mergers: from GRB170817A to Future Events
Gamma Ray Bursts	Corinne Fletcher, Adam Goldstein, Suraj Poolakkil, Robert Preece	K-corrected Prompt Energy Release for Fermi-GBM Gamma Ray Bursts
Gamma Ray Bursts	Sylvain Guiriec, Frederic Daigne, Chryssa Kouveliotou, Dieter Hartmann, Tsvi Piran, Jonathan Granot, Robert Mochkovitch, Julie McEnery, Judith Racusin & Katsuaki Asano	A Unified Model for GRB Prompt Emission from Optical to Gamma Rays: Exploring GRBs as Standard Candles
Gamma Ray Bursts	Truong Le, Vedant Mehta and Cecilia Ratke	Excess of GRBs in the Swift Era below redshift of 2
Gamma Ray Bursts	Mark McConnell, Audrey Coleman (UNH), Werner Collmar (MPE), and Andreas Zoglauer (UCB)	GRB and Solar Flare Polarimetry with CGRO/COMPTEL
Gamma Ray Bursts	Nicola Omodei, Nicola Omodei, Giacomo Vianello, Daniel Kocevski, Judith Racusin, on behalf of the Fermi LAT collaboration	Searches for Gamma-ray Counterparts to Gravitational-Wave Sources with the Fermi Large Area Telescope
Gamma Ray Bursts	Suraj Poolakkil, Robert D. Preece, Adam Goldstein	The Fermi GBM Gamma-Ray Spectral Catalog: Ten Years of Data
Gamma Ray Bursts	Jakub Ripa, Arman Shafieloo	Testing Isotropic Universe Using Properties of Gamma-Ray Bursts Detected by Fermi/GBM, CGRO/BATSE and Swift/BAT
Gamma Ray Bursts	Donggeun Tak, N. Omodei, Z.L. Uhm, J. Racusin, J. McEnery	Closure relations of Gamma Ray Bursts in high energy emission
Gamma Ray Bursts	Donggeun Tak, Z.L. Uhm, J. Racusin, B. Zhang, S. Guiriec, and J. McEnery	Search for evidence of high latitude emission in Gamma-ray burst broad pulses
Gamma Ray Bursts	Mariusz Tarnopolski, Mariusz Tarnopolski	Analysis of the duration--hardness ratio plane of gamma-ray bursts with skewed distributions
Gamma Ray Bursts	Manal Yassine, F. Piron, R. Mochkovitch, F. Daigne, F. Longo, N. Omodei, and G. Vianello on behalf of the Fermi/LAT collaboration	A new fitting function for GRB MeV spectra based on the internal shock synchrotron model
Gamma Ray Bursts	Hoi Fung David Yu, Hüsne Dereli-Bégué, Felix Ryde	Observed Spectral Correlations in Fermi/GBM GRB Single Pulses using Bayesian Statistics
Instrumentation/Analysis	Philippe Bruel, T. Burnett, S. Digel, G. Johannesson, N. Omodei, M. Wood on behalf of the Fermi-LAT Collaboration	A new version of Pass 8 data
Instrumentation/Analysis	Robert Cameron	LAT On-Orbit Performance at 10 Years
Instrumentation/Analysis	Stefano Ciprini	LAT Flare Advocate Service at 10 Years
Instrumentation/Analysis	Henrike Fleischhack	Galactic Astrophysics with the Southern Gamma-ray Survey Observatory
Instrumentation/Analysis	Sean Griffin, the AMEGO Team	Status of the AMEGO Subsystem Development

Instrumentation/Analysis	J Eric Grove, C.C. Cheung, M. Kerr, L.J. Mitchell, B.F. Phipps, R.S. Woolf, E.A Wulf (NRL); C.A. Wilson-Hodge, D. Kocevski (MSFC); M.S. Briggs (UAH); and J. Perkins (GSFC)	Glwobug, a Gamma-Ray Telescope for Bursts and Other Transients
Instrumentation/Analysis	Chiumun Hui, M. Briggs, A. Goldstein, P. Jenke, D. Kocevski, C. Wilson-Hodge, E. Burns	MoonBEAM: A Beyond Earth-orbit Gamma-ray Burst Detector for Multi-Messenger Astronomy
Instrumentation/Analysis	Noah Kasmanoff	Creating a Software Package for BurstCube
Instrumentation/Analysis	Amanpreet Kaur, Abe D. Falcone	A Search for Counterparts to the Fermi Unassociated Sources using the Swift X-ray Telescope
Instrumentation/Analysis	Luca Latronico, Benoit Lott, Fabio Gargano, Raffaella Bonino, Francesco Longo, Pasquale Lubrano, Gabrijela Zaharijas	The Fermi Masterclass international outreach program
Instrumentation/Analysis	Thomas Loredo, Jeffrey D. Scargle, Tamas Budavari	Statistical tools for analysis and modeling of astronomical time series and populations: TSE and CUDAHM
Instrumentation/Analysis	Mark McConnell, Peter F. Bloser (UNH), Lorraine Hanlon (UCD), Jason S. Legere (UNH), Sheila McBreen (UCD), James M. Ryan (UNH), and Alexey Uliyanov (UCD)	A low energy Compton imager for GRB polarization studies
Instrumentation/Analysis	Pragati Pradhan, Pragati Pradhan, Jamie Kennea, Abe Falcone and David Burrows	Exploring on-board transient detection with Athena Wide Field Imager
Instrumentation/Analysis	Jingyuan Ren, Ren Jingyuan, Su Meng for the HERD collaboration	The High Energy cosmic-Radiation Detection (HERD) facility
Instrumentation/Analysis	Pablo Saz Parkinson, Jason Fan (Department of Physics & Laboratory for Space Research, The University of Hong Kong), Philip Yu (Department of Statistics and Actuarial Science, The University of Hong Kong), Graziano Chiaro (INAF-IASF, Milano)	Classification and Ranking of Fermi LAT Gamma-ray Sources using Machine Learning Techniques
Instrumentation/Analysis	Mutsumi Sugizaki, N. Kawai, M. Matsuoka, T. Mihara, S. Nakahira, H. Negoro, M. Nakajima, T. Sakamoto, M. Serino, S. Sugita, S. Ueno, H. Tomida, Y. Ueda, Y. Tsuboi, W. Iwakiri, H. Tsunemi, M. Yamauchi, T. Kawamuro, K. Yamaoka, M. Shidatsu, and MAXI Team	Recent results of MAXI all-sky X-ray survey on the ISS
Instrumentation/Analysis	Hiroyasu Tajima, Akira Okumura, Yasunobu Uchiyama, Tsunefumi Mizuno, Johann Cohen-Tanugi	Studies of galactic sources with image restoration technique
Other Extragalactic	Wenlei Chen, Manel Errando, James H. Buckley, Francesc Ferrer	Novel Search for TeV-Initiated Pair Cascades in the Intergalactic Medium
Other Extragalactic	Virginia Cunningham, Brad Cenko, Eric Burns, Adam Goldstein, Amy Lien, Valerie Connaughton, Michael Briggs, Matthew Stanbro, Dan Kocevski, Judy Racusin, Cole Miller	A Search for High-Energy Counterparts to Fast Radio Bursts
Other Extragalactic	Michela Negro, Nicolao Fornengo, Marco Regis and Simone Ammazzalorso	The unresolved gamma-ray sky through its angular power spectrum
Other Extragalactic	Andrii Petrashyk, The VERITAS Collaboration	Production of Cosmic Rays in the Starburst Galaxy M82
Other Galactic	Raniere de Menezes, Fabio Cafardo, Rodrigo Nemmen	On the population of Milky Way globular clusters in gamma-rays
Other Galactic	Binita Hona, Dr. Henrike Fleischhack, Dr. Petra Huentemeyer	Particle Acceleration by a Star Forming Region in the Cygnus Constellation with HAWC and Fermi-LAT
Other Galactic	Frederic Jaron, Maria Massi, Sebastian Kiehlmann, Talvikki Hovatta	Simultaneous long-term monitoring of LS I +61°303 by OVRO and Fermi-LAT
Other Galactic	Mark Kennedy, R. P. Breton, C. J. Clark, V. S. Dhillon, T. R. Marsh, D. Mata Sánchez, J. Stringer, G. Voisin	Optical Variability in the Candidate Transitional Millisecond Pulsar 3FGL J0427.9-6704
Other Galactic	Pierrick Martin, Virginie Slagmolen	Investigating the (lack of) gamma-ray emission from superbubbles
Other Galactic	Hambeleleni Ndiyavala, C. Venter, T. J. Johnson, A. K. Harding on behalf of the Fermi LAT Collaboration; S. Casanova, A.-C. Clapson, W. Domainko, M. Dyrda, P. Eger, M. Jamrozy, A. Kopp, and D. J. Van Der Walt	Broadband Spectral Modeling of the Galactic Globular Cluster Terzan 5
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Pulsars	Monica Barnard, Christo Venter, Alice K. Harding and Constantinos Kalapotharakos on behalf of the Fermi LAT Collaboration	The Role of the Magnetospheric Structure on the Energy-dependent Light Curves of the Vela Pulsar
Pulsars	Fabio Cruz, A. Chen, A. Spitkovsky, T. Grismayer, L. O. Silva	Axisymmetric PIC simulations of pulsar magnetospheres with ab initio photon emission and pair production
Pulsars	Chris Gordon, Harrison Ploeg, Roland Crocker, and Oscar Macias	Consistency Between the Luminosity Function of Resolved Millisecond Pulsars and the Galactic Center Excess
Pulsars	Hayk Hakobyan, Alexander Philippov, Anatoly Spitkovsky	Effects of two-photon pair production on reconnection in the outer magnetosphere of gamma-ray pulsars
Pulsars	Kun Hu, Matthew G. Baring	Constraints on Magnetar's Maximum Visible Energies from Opacities for Photon Splitting and Pair Creation

Pulsars	Constantinos Kalapotharakos, Alice K. Harding, Demosthenes Kazanas	Global PIC Pulsar Magnetosphere Models: Reproducing the FERMI Gamma-Ray Phenomenology for Millisecond and Young Pulsars
Pulsars	Matthew Kerr, Roger Romani, Elizabeth Ferrara, Colin Clark, Lars Nieder	Searching For Eclipsing Neutron Star Binaries
Pulsars	Brent Limyansky, H. Ohuchi, E. Gotthelf, L. Guillemot, C. P. Hu, C.-Y. Ng, P. Saz Parkinson, S. Ransom and D. A. Smith on behalf of the Fermi LAT Collaboration	High Energy Pulsations from PSR J2022+3842
Pulsars	Roberto Mignani, A. Shearer, B. Rudak	Optical, ultraviolet, and infrared follow-ups of Fermi pulsars
Pulsars	Albertus Seyffert, C Venter, AK Harding, C Kalapotharakos, on behalf of the Fermi LAT Collaboration	Constraining pulsar magnetospheric electrodynamics via joint radio and gamma-ray light curve fitting
Pulsars	Mutsumi Sugizaki, M. Oeda, N. Kawai, T. Mihara, K. Makishima, and M. Nakajima	MAXI results of the Galactic ultra-luminous X-ray pulsar Swift J0243.6+6124
Pulsars	Colleen Wilson-Hodge, C. Malacaria (NPP/MSFC/USRA), P. A. Jenke (UAH), G. K. Jaisawal (DTU Space), M. Kerr (NRL), M. T. Wolff (NRL), Z. Arzoumanian (NASA/GSFC), D. Chakrabarty (MIT), J. P. Doty (Noqsi Aerospace Ltd.), K. C. Gendreau (NASA/GSFC), S. Guillot (CNRS/CNES), W. C. G. Ho (Haverford College/Univ. of Southampton), B. LaMarr (MIT), C. B. Markwardt (NASA/GSFC), F. Ozel (Univ. of Arizona), G. Y. Prigozhin (MIT), P. S. Ray (NRL), M. Ramos-Lerate (ESA/ESAC), R. A. Remillard (MIT), T. E. Strohmayer (NASA/GSFC), M. L. Vezie (MIT), K. S. Wood (Praxis Inc.) on behalf of the NICER and GBM teams	Swift J0243.6+6124, the First Galactic Ultraluminous X-ray Pulsar
Pulsars	Hoi Fung David Yu, Chung Yue Hui, Albert K. H. Kong, Jumpei Takata	Bayesian Inference on Radio and Gamma-Ray Pulsars
SNR/PWNe	Soheila Abdollahi, Jean Ballet, Tsunefumi Mizuno, Yasushi Fukazawa, Hideaki Katagiri on behalf of the Fermi-LAT collaboration	On the origin of the gamma-ray emission toward SNR CTB 37A with Fermi-LAT
SNR/PWNe	Chad Brisbois, Vikas Joshi	2HWC J2019+367: A Pulsar, but how?
SNR/PWNe	Ludmilla Dirson, Ludmilla Dirson, Dieter Horns	Inverse compton scattering model of the Crab Nebula
SNR/PWNe	Jordan Eagle, Stefano Marchesi, Daniel Castro, Marco Ajello, Laura Duvidovich	2FHL J0826.1-45.00: Discovery of a new VHE Galactic Accelerator
SNR/PWNe	Justin Finke, John Kroon, Peter Becker	Time-Dependent Electron Acceleration in Pulsar Wind Termination Shocks: Application to the 2007 September Crab Nebula Gamma-ray Flare
SNR/PWNe	Noel Klingler, Oleg Kargaltsev	Pulsar Wind Nebulae from Radio to X-rays and Gamma-rays
SNR/PWNe	Qinrui Liu, Ali Kheirandish	Searching for Neutrinos from Pulsar Wind Nebulae with IceCube
SNR/PWNe	Tsutomu Nagayoshi, David Green, Christian Fruck, Marcel Strzys	Gamma-ray emission spectrum in HESS J1912+101 region
SNR/PWNe	Takaaki Tanaka, Hiroya Yamaguchi, Daniel R. Wik, Hiroyuki Uchida, Yasunobu Uchiyama, Felix A. Aharonian, Aya Bamba, Daniel Castro, Adam R. Foster, Robert Petre, Jeonghee Rho, Randall K. Smith, Brian J. Williams	NuSTAR Detection of Nonthermal Emission from the Supernova Remnant W49B and Its Implications for Gamma-ray Emission Mechanism
SNR/PWNe	Carlo van Rensburg, Christo Venter, on behalf of the Fermi LAT Collaboration	Morphological and Spectral Modeling of Fermi Pulsar Wind Nebulae
SNR/PWNe	Paul Kin-Hang Yeung, Paul Kin-Hang Yeung	The Energy-dependent γ -ray Morphology of the Crab Nebula Observed with the Fermi Large Area Telescope
Solar System	Nat Gopalswamy, P. Makela, S. Yashiro, S. Akiyama, H. Xie, R. J. MacDowall	Evidence for Shock Source of Sustained Gamma-ray Emission from the Sun
Solar System	Naila Noreen, R. A. Lopez, P. H. Yoon, S. Zaheer	Electron Contribution in mirror instability in quasi linear regime