



Maria Elena Monzani

Lead Scientist, SLAC National Accelerator Laboratory

Bio

CURRENT ROLE AT STANFORD

Lead Scientist, LUX-ZEPLIN Dark Matter Experiment
Kavli Institute for Particle Astrophysics and Cosmology
SLAC National Accelerator Laboratory

HONORS AND AWARDS

- Artificial Intelligence Research in High Energy Physics, DOE-HEP (2023)
- Reaching a New Energy Sciences Workforce, DOE-HEP (2022)
- Laboratory Directed Research and Development, SLAC (2022)
- Adjunct Scholar, Vatican Observatory, Vatican City State (2021)
- Exascale Science Applications Award (NESAP), NERSC (2019)
- LUX-ZEPLIN Operations Support to SLAC, DOE-HEP (2019)
- NERSC Mission Science Allocation Award, DOE-HEP (2018)
- Group Achievement Award, Fermi Science Team, NASA (2010)

EDUCATION AND CERTIFICATIONS

- PhD, Université Paris 7 - Denis Diderot (2005)
- PhD, Università degli Studi di Milano (2005)
- M.S., Università degli Studi di Milano (2001)

LINKS

- Maria Elena Monzani at KIPAC: <https://kipac.stanford.edu/people/maria-elena-monzani>
- A day in the life of a dark matter data wrangler: <https://www.symmetrymagazine.org/article/a-day-in-the-life-of-a-dark-matter-data-wrangler>

Professional

PROFESSIONAL INTERESTS

Maria Elena Monzani is a dark matter data wrangler. She manages the data processing pipeline for the Fermi-LAT and the computing and software operations for the LUX-ZEPLIN (LZ) experiment. LZ is an instrument that is superlative in many ways. It consists of 10 tons of liquified xenon gas, maintained at almost atomic purity and stored in a refrigerated titanium cylinder a mile underground in a former gold mine in Lead, South Dakota. The experiment is slated to acquire 5 PB of data over its lifetime (or 5 billion particle interactions). Due to their elusive nature, only a handful of dark matter particles would be discovered in the process. Finding those particles

is an extreme "needle in a haystack" challenge, requiring an unprecedented level of analytical prowess and statistical accuracy. In addition to providing the computing infrastructure required to analyze such a large dataset, Maria Elena collaborates with computational engineers to develop advanced Machine Learning algorithms, that could sharpen our ability to identify ultra rare anomalies in massive datasets.

WORK EXPERIENCE

- Staff Scientist - SLAC National Accelerator Laboratory (2016 - 2020)
- Engineering Physicist - SLAC National Accelerator Laboratory (2007 - 2016)
- Postdoctoral Research Scientist - Columbia University (2006 - 2007)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, American Physical Society
- Member, American Astronomical Society
- Member, Society of Catholic Scientists

Publications

PUBLICATIONS

- **The Third Fermi Large Area Telescope Catalog of Gamma-Ray Pulsars** *ASTROPHYSICAL JOURNAL*
Smith, D. A., Abdollahi, S., Ajello, M., Bailes, M., Baldini, L., Ballet, J., Baring, M. G., Bassa, C., Becerra Gonzalez, J., Bellazzini, R., Berretta, A., Bhattacharyya, B., Bissaldi, et al
2023; 958 (2)
- **Search for new physics in low-energy electron recoils from the first LZ exposure** *PHYSICAL REVIEW D*
Aalbers, J., Akerib, D. S., Al Musalhi, A. K., Alder, F., Amarasinghe, C. S., Ames, A., Anderson, T. J., Angelides, N., Araujo, H. M., Armstrong, J. E., Arthurs, M., Baker, A., Balashov, et al
2023; 108 (7)
- **Fermi-GBM Discovery of GRB 221009A: An Extraordinarily Bright GRB from Onset to Afterglow** *ASTROPHYSICAL JOURNAL LETTERS*
Lesage, S., Veres, P., Briggs, M. S., Goldstein, A., Kocevski, D., Burns, E., Wilson-Hodge, C. A., Bhat, P. N., Huppenkothen, D., Fryer, C. L., Hamburg, R., Racusin, J., Bissaldi, et al
2023; 952 (2)
- **First Dark Matter Search Results from the LUX-ZEPLIN (LZ) Experiment.** *Physical review letters*
Aalbers, J., Akerib, D. S., Akerlof, C. W., Al Musalhi, A. K., Alder, F., Alqahtani, A., Alsum, S. K., Amarasinghe, C. S., Ames, A., Anderson, T. J., Angelides, N., Araújo, H. M., Armstrong, et al
2023; 131 (4): 041002
- **Background determination for the LUX-ZEPLIN dark matter experiment** *PHYSICAL REVIEW D*
Aalbers, J., Akerib, D. S., Al Musalhi, A. K., Alder, F., Alsum, S. K., Amarasinghe, C. S., Ames, A., Anderson, T. J., Angelides, N., Araujo, H. M., Armstrong, J. E., Arthurs, M., Baker, et al
2023; 108 (1)
- **The Fermi-LAT Lightcurve Repository** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Abdollahi, S., Ajello, M., Baldini, L., Ballet, J., Bastieri, D., Becerra Gonzalez, J., Bellazzini, R., Berretta, A., Bissaldi, E., Bonino, R., Brill, A., Bruel, P., Burns, et al
2023; 265 (2)
- **A next-generation liquid xenon observatory for dark matter and neutrino physics** *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*
Aalbers, J., AbdusSalam, S. S., Abe, K., Aerne, Agostini, F., Maouloud, S., Akerib, D. S., Akimov, D. Y., Akshat, J., Al Musalhi, A. K., Alder, F., Alsum, S. K., Althueser, L., et al
2023; 50 (1)
- **Low-energy Electron-track Imaging for a Liquid Argon Time-projection-chamber Telescope Concept Using Probabilistic Deep Learning** *ASTROPHYSICAL JOURNAL*
Buuck, M., Mishra, A., Charles, E., Di Lalla, N., Hitchcock, O. A., Monzani, M. E., Omodei, N., Shutt, T.

2023; 942 (2)

- **Search for New Cosmic-Ray Acceleration Sites within the 4FGL Catalog Galactic Plane Sources** *ASTROPHYSICAL JOURNAL*
Abdollahi, S., Acero, F., Ackermann, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Berenji, B., Berretta, A., Bissaldi, E., Blandford, R. D., Bonino, et al
2022; 933 (2)
- **Incremental Fermi Large Area Telescope Fourth Source Catalog** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Abdollahi, S., Acero, F., Baldini, L., Ballet, J., Bastieri, D., Bellazzini, R., Berenji, B., Berretta, A., Bissaldi, E., Blandford, R. D., Bloom, E., Bonino, R., Brill, et al
2022; 260 (2)
- **Design and production of the high voltage electrode grids and electron extraction region for the LZ dual-phase xenon time projection chamber** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Linehan, R., Mannino, R. L., Fan, A., Ignarra, C. M., Luitz, S., Skarpaas, K., Shutt, T. A., Akerib, D. S., Alsum, S. K., Anderson, T. J., Araujo, H. M., Arthurs, M., Auyeung, et al
2022; 1031
- **A gamma-ray pulsar timing array constrains the nanohertz gravitational wave background** *SCIENCE*
Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Berretta, A., Bhattacharyya, B., Bissaldi, E., Blandford, R. D., Bloom, E., Bonino, et al
2022; 376 (6592): 521-+
- **Cosmogenic production of Ar-37 in the context of the LUX-ZEPLIN experiment** *PHYSICAL REVIEW D*
Aalbers, J., Akerib, D. S., Al Musalhi, A. K., Alder, F., Alsum, S. K., Amarasinghe, C. S., Ames, A., Anderson, T. J., Angelides, N., Araujo, H. M., Armstrong, J. E., Arthurs, M., Bai, et al
2022; 105 (8)
- **The LUX-ZEPLIN (LZ) radioactivity and cleanliness control programs (vol 80, 1044, 2020)** *EUROPEAN PHYSICAL JOURNAL C*
Akerib, D. S., Akerlof, C. W., Akimov, D., Alquahtani, A., Alsum, S. K., Anderson, T. J., Angelides, N., Araujo, H. M., Arbuckle, A., Armstrong, J. E., Arthurs, M., Auyeung, H., Aviles, et al
2022; 82 (3)
- **CMB-S4: Forecasting Constraints on Primordial Gravitational Waves** *ASTROPHYSICAL JOURNAL*
Abazajian, K., Addison, G. E., Adshead, P., Ahmed, Z., Akerib, D., Ali, A., Allen, S. W., Alonso, D., Alvarez, M., Amin, M. A., Anderson, A., Arnold, K. S., Ashton, et al
2022; 926 (1)
- **Kiloton-scale xenon detectors for neutrinoless double beta decay and other new physics searches** *PHYSICAL REVIEW D*
Avasthi, A., Bowyer, T. W., Bray, C., Brunner, T., Catarineu, N., Church, E., Guenette, R., Haselschwardt, S. J., Hayes, J. C., Heffner, M., Hertel, S. A., Humble, P. H., Jamil, et al
2021; 104 (11)
- **Projected sensitivity of the LUX-ZEPLIN experiment to the two-neutrino and neutrinoless double beta decays of Xe-134** *PHYSICAL REVIEW C*
Akerib, D. S., Al Musalhi, A. K., Alsum, S. K., Amarasinghe, C. S., Ames, A., Anderson, T. J., Angelides, N., Araujo, H. M., Armstrong, J. E., Arthurs, M., Bai, X., Balajthy, J., Balashov, et al
2021; 104 (6)
- **Projected sensitivities of the LUX-ZEPLIN experiment to new physics via low-energy electron recoils** *PHYSICAL REVIEW D*
Akerib, D. S., Al Musalhi, A. K., Alsum, S. K., Amarasinghe, C. S., Ames, A., Anderson, T. J., Angelides, N., Araujo, H. M., Armstrong, J. E., Arthurs, M., Bai, X., Balajthy, J., Balashov, et al
2021; 104 (9)
- **Gamma Rays from Fast Black-hole Winds** *ASTROPHYSICAL JOURNAL*
Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Berretta, A., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bruel, P., Buson, et al
2021; 921 (2)
- **First Fermi-LAT Solar Flare Catalog (vol 252, 13, 2021)** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Ajello, M., Baldini, L., Bastieri, D., Bellazzini, R., Berretta, A., Bissaldi, E., Blandford, R. D., Bonino, R., Bruel, P., Buson, S., Cameron, R. A., Caputo, R., Cavazzuti, et al
2021; 256 (1)

- **Fermi Large Area Telescope Performance after 10 Years of Operation** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Ajello, M., Atwood, W. B., Axelsson, M., Bagagli, R., Bagni, M., Baldini, L., Bastieri, D., Bellardi, F., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Bregeon, et al
2021; 256 (1)
- **Catalog of Long-term Transient Sources in the First 10 yr of Fermi-LAT Data** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Baldini, L., Ballet, J., Bastieri, D., Becerra Gonzalez, J., Bellazzini, R., Berretta, A., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bottacini, E., Bruel, P., Buson, et al
2021; 256 (1)
- **Simulations of events for the LUX-ZEPLIN (LZ) dark matter experiment** *ASTROPARTICLE PHYSICS*
Akerib, D. S., Akerlof, C. W., Alqahtani, A., Alsum, S. K., Anderson, T. J., Angelides, N., Araujo, H. M., Armstrong, J. E., Arthurs, M., Bai, X., Balajthy, J., Balashov, S., Bang, et al
2021; 125
- **First Fermi-LAT Solar Flare Catalog** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Ajello, M., Baldini, L., Bastieri, D., Bellazzini, R., Berretta, A., Bissaldi, E., Blandford, R. D., Bonino, R., Bruel, P., Buson, S., Cameron, R. A., Caputo, R., Cavazzuti, et al
2021; 252 (2)
- **High-energy emission from a magnetar giant flare in the Sculptor galaxy** *NATURE ASTRONOMY*
Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Barbiellini, G., Baring, M. G., Bastieri, D., Bellazzini, R., Berretta, A., Bissaldi, E., Blandford, R. D., Bonino, R., Bregeon, et al
2021
- **The LUX-ZEPLIN (LZ) radioactivity and cleanliness control programs** *EUROPEAN PHYSICAL JOURNAL C*
Akerib, D. S., Akerlof, C. W., Akimov, D., Alqahtani, A., Alsum, S. K., Anderson, T. J., Angelides, N., Araujo, H. M., Arbuckle, A., Armstrong, J. E., Arthurs, M., Auyeung, H., Aviles, et al
2020; 80 (11)
- **Projected sensitivity of the LUX-ZEPLIN experiment to the 0 nu beta beta decay of Xe-136** *PHYSICAL REVIEW C*
Akerib, D. S., Akerlof, C. W., Alqahtani, A., Alsum, S. K., Anderson, T. J., Angelides, N., Araujo, H. M., Armstrong, J. E., Arthurs, M., Bai, X., Balajthy, J., Balashov, S., Bang, et al
2020; 102 (1)
- **The Fourth Catalog of Active Galactic Nuclei Detected by the Fermi Large Area Telescope** *ASTROPHYSICAL JOURNAL*
Ajello, M., Angioni, R., Axelsson, M., Ballet, J., Barbiellini, G., Bastieri, D., Becerra Gonzalez, J., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Bottacini, E., Bruel, et al
2020; 892 (2)
- **Projected WIMP sensitivity of the LUX-ZEPLIN dark matter experiment** *PHYSICAL REVIEW D*
Akerib, D. S., Akerlof, C. W., Alsum, S. K., Araujo, H. M., Arthurs, M., Bai, X., Bailey, A. J., Balajthy, J., Balashov, S., Bauer, D., Belle, J., Beltrame, P., Benson, et al
2020; 101 (5)
- **Measurement of the gamma ray background in the Davis cavern at the Sanford Underground Research Facility** *ASTROPARTICLE PHYSICS*
Akerib, D. S., Akerlof, C. W., Alsum, S. K., Angelides, N., Araujo, H. M., Armstrong, J. E., Arthurs, M., Bai, X., Balajthy, J., Balashov, S., Baxter, A., Bernard, E. P., Biekert, et al
2020; 116
- **Fermi Large Area Telescope Fourth Source Catalog** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Abdollahi, S., Acero, F., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Becerra Gonzalez, J., Bellazzini, R., Berretta, et al
2020; 247 (1)
- **The LUX-ZEPLIN (LZ) experiment** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Akerib, D. S., Akerlof, C. W., Akimov, D., Alqahtani, A., Alsum, S. K., Anderson, T. J., Angelides, N., Araujo, H. M., Arbuckle, A., Armstrong, J. E., Arthurs, M., Auyeung, H., Bai, et al
2020; 953

- **Fermi and Swift Observations of GRB 190114C: Tracing the Evolution of High-energy Emission from Prompt to Afterglow** *ASTROPHYSICAL JOURNAL*
Ajello, M., Arimoto, M., Axelsson, M., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Berretta, A., Bissaldi, E., Blandford, R. D., Bonino, R., Bottacini, E., Bregeon, et al
2020; 890 (1)
- **Optimization of Software on High Performance Computing Platforms for the LUX-ZEPLIN Dark Matter Experiment**
Ayyar, V., Bhimji, W., Monzani, M., Naylor, A., Patton, S., Tull, C. E., Doglioni, C., Kim, D., Stewart, G. A., Silvestris, L., Jackson, P., Kamleh, W.
E D P SCIENCES.2020
- **Bright Gamma-Ray Flares Observed in GRB 131108A** *ASTROPHYSICAL JOURNAL LETTERS*
Ajello, M., Arimoto, M., Asano, K., Axelsson, M., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Berretta, A., Bissaldi, E., Blandford, R. D., Bonino, R., Bottacini, et al
2019; 886 (2)
- **A Decade of Gamma-Ray Bursts Observed by Fermi-LAT: The Second GRB Catalog** *ASTROPHYSICAL JOURNAL*
Ajello, M., Arimoto, M., Axelsson, M., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bhat, P. N., Bissaldi, E., Blandford, R. D., Bonino, R., Bonnell, J., Bottacini, et al
2019; 878 (1)
- **MAGIC and Fermi-LAT gamma-ray results on unassociated HAWC sources** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
Ahnen, M. L., Ansoldi, S., Antonelli, L. A., Arcaro, C., Baack, D., Babic, A., Banerjee, B., Bangale, P., Barres de Almeida, U., Barrio, J. A., Becerra Gonzalez, J., Bednarek, W., Bernardini, et al
2019; 485 (1): 356–66
- **Unresolved Gamma-Ray Sky through its Angular Power Spectrum** *PHYSICAL REVIEW LETTERS*
Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bonino, R., Bottacini, E., Bregeon, J., Bruel, et al
2018; 121 (24)
- **A gamma-ray determination of the Universe's star formation history** *SCIENCE*
Abdollahi, S., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Gonzalez, J., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, et al
2018; 362 (6418): 1031–+
- **VERITAS and Fermi-LAT Observations of TeV Gamma-Ray Sources Discovered by HAWC in the 2HWC Catalog** *ASTROPHYSICAL JOURNAL*
Abeysekara, A. U., Archer, A., Benbow, W., Bird, R., Brose, R., Buchovecky, M., Buckley, J. H., Bugaev, V., Chromey, A. J., Connolly, M. P., Cui, W., Daniel, M. K., Falcone, et al
2018; 866 (1)
- **Investigating the Nature of Late-time High-energy GRB Emission through Joint Fermi/Swift Observations** *ASTROPHYSICAL JOURNAL*
Ajello, M., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bonino, R., Bottacini, E., Bregeon, J., Bruel, P., Buehler, R., Cameron, et al
2018; 863 (2)
- **Investigating the Nature of Late-Time High-Energy GRB Emission Through Joint Fermi /Swift Observations.** *The Astrophysical journal*
Ajello, M., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bonino, R., Bottacini, E., Bregeon, J., Bruel, P., Buehler, R., Cameron, et al
2018; 863 (2)
- **The Search for Spatial Extension in High-latitude Sources Detected by the Fermi Large Area Telescope** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bottacini, E., Brandt, et al
2018; 237 (2)
- **Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A** *SCIENCE*
Aartsen, M. G., Ackermann, M., Adams, J., Aguilar, J. A., Ahlers, M., Ahrens, M., Al Samarai, I., Altmann, D., Andeen, K., Anderson, T., Anseau, I., Anton, G., Argüelles, et al
2018; 361 (6398): 146–+
- **Fermi-LAT Observations of LIGO/Virgo Event GW170817** *ASTROPHYSICAL JOURNAL*

- Ajello, M., Allafort, A., Axelsson, M., Baldini, L., Barbiellini, G., Baring, M. G., Bastieri, D., Bellazzini, R., Berenji, B., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, et al
2018; 861 (2)
- **Search for Gamma-Ray Emission from the Coma Cluster with Six Years of Fermi-LAT Data (vol 819, 149, 2016) *ASTROPHYSICAL JOURNAL***
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, et al
2018; 860 (1)
 - **Search for Gamma-Ray Emission from Local Primordial Black Holes with the Fermi Large Area Telescope *ASTROPHYSICAL JOURNAL***
Ackermann, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Berenji, B., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bottacini, et al
2018; 857 (1)
 - **Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar *SCIENCE ADVANCES***
Clark, C. J., Pletsch, H. J., Wu, J., Guillemot, L., Kerr, M., Johnson, T. J., Camilo, F., Salvetti, D., Allen, B., Anderson, D., Aulbert, C., Beer, C., Bock, et al
2018; 4 (2)
 - **Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar. *Science advances***
Clark, C. J., Pletsch, H. J., Wu, J., Guillemot, L., Kerr, M., Johnson, T. J., Camilo, F., Salvetti, D., Allen, B., Anderson, D., Aulbert, C., Beer, C., Bock, et al
2018; 4 (2): eaao7228
 - **The electronics, trigger and data acquisition system for the liquid argon time projection chamber of the DarkSide-50 search for dark matter *JOURNAL OF INSTRUMENTATION***
Agnes, P., Albuquerque, I. M., Alexander, T., Alton, A. K., Arisaka, K., Asner, D. M., Ave, M., Back, H. O., Baldin, B., Biery, K., Bocci, V., Bonfini, G., Bonivento, et al
2017; 12
 - **Identification of radiopure titanium for the LZ dark matter experiment and future rare event searches *ASTROPARTICLE PHYSICS***
Akerib, D. S., Akerlof, C. W., Akimov, D., Alsum, S. K., Araujo, H. M., Arnquist, I. J., Arthurs, M., Bai, X., Bailey, A. J., Balajthy, J., Balashov, S., Barry, M. J., Belle, et al
2017; 96: 1–10
 - **Multi-messenger Observations of a Binary Neutron Star Merger *ASTROPHYSICAL JOURNAL LETTERS***
Abbott, B. P., Abbott, R., Abbott, T. D., Acernese, F., Ackley, K., Adams, C., Adams, T., Addesso, P., Adhikari, R. X., Adya, V. B., Affeldt, C., Afrough, M., Agarwal, et al
2017; 848 (2)
 - **3FHL: The Third Catalog of Hard Fermi-LAT Sources *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES***
Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bregeon, J., Britto, et al
2017; 232 (2)
 - **Fermi Observations of the LIGO Event GW170104 *ASTROPHYSICAL JOURNAL LETTERS***
Goldstein, A., Veres, P., Burns, E., Blackburn, L., Briggs, M. S., Christensen, N., Cleveland, W. H., Connaughton, V., Dal Canton, T., Hamburg, R., Hui, C. M., Jenke, P. A., Kocevski, et al
2017; 846 (1)
 - **The Second Catalog of Flaring Gamma-Ray Sources from the Fermi All-sky Variability Analysis *ASTROPHYSICAL JOURNAL***
Abdollahi, S., Ackermann, M., Ajello, M., Albert, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Gonzalez, J., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, et al
2017; 846 (1)
 - **Search for Extended Sources in the Galactic Plane Using Six Years of Fermi-Large Area Telescope Pass 8 Data above 10GeV *ASTROPHYSICAL JOURNAL***
Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Bottacini, E., Brandt, T. J., Bregeon, et al
2017; 843 (2)
 - **The Fermi Galactic Center GeV Excess and Implications for Dark Matter *ASTROPHYSICAL JOURNAL***
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, et al

2017; 840 (1)

- **Cosmic-ray electron-positron spectrum from 7 GeV to 2 TeV with the Fermi Large Area Telescope** *PHYSICAL REVIEW D*

Abdollahi, S., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bloom, E. D., Bonino, R., Brandt, T. J., Bregeon, J., Bruel, et al

2017; 95 (8)

- **Gamma-ray blazar spectra with HESS II mono analysis: The case of PKS2155-304 and PG1553+113** *ASTRONOMY & ASTROPHYSICS*

Abdalla, H., Abramowski, A., Aharonian, F., Benkhali, F. A., Akhperjanian, A. G., Andersson, T., Anguener, E. O., Arrieta, M., Aubert, P., Backes, M., Balzer, A., Barnard, M., Becherini, et al

2017; 600

- **Gamma-Ray Blazars within the First 2 Billion Years** *ASTROPHYSICAL JOURNAL LETTERS*

Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Gonzalez, J. B., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bottacini, et al

2017; 837 (1)

- **Search for Cosmic-Ray Electron and Positron Anisotropies with Seven Years of Fermi Large Area Telescope Data** *PHYSICAL REVIEW LETTERS*

Abdollahi, S., Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Barbiellini, G., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Bottacini, E., Brandt, et al

2017; 118 (9)

- **Observations of M31 and M33 with the Fermi Large Area Telescope: A Galactic Center Excess in Andromeda?** *ASTROPHYSICAL JOURNAL*

Ackermann, M., Ajello, M., Albert, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Bottacini, E., Brandt, et al

2017; 836 (2)

- **Fermi-LAT Observations of High-energy Behind-the-limb Solar Flares** *ASTROPHYSICAL JOURNAL*

Ackermann, M., Allafort, A., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Bonino, R., Bottacini, E., Bregeon, J., Bruel, P., Buehler, R., Cameron, et al

2017; 835 (2)

- **SEARCHING THE GAMMA-RAY SKY FOR COUNTERPARTS TO GRAVITATIONAL WAVE SOURCES: FERMI GAMMA-RAY BURST MONITOR. AND LARGE AREA TELESCOPE OBSERVATIONS OF LVT151012 AND GW151226** *ASTROPHYSICAL JOURNAL*

Racusin, J. L., Burns, E., Goldstein, A., Connaughton, V., Wilson-Hodge, C. A., Jenke, P., Blackburn, L., Briggs, M. S., BROIDA, J., Camp, J., Christensen, N., Hui, C. M., Littenberg, et al

2017; 835 (1)

- **The DarkSide Direct Dark Matter Search with Liquid Argon**

Edkins, E., Agnes, P., Alexander, T., Alton, A., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Brigatti, A., Brodsky, J., Budano, et al
AMER INST PHYSICS.2017

- **The DarkSide experiment** *NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS*

Bottino, B., Aalseth, C. E., Acconcia, G., Acerbi, F., Agnes, P., Agostino, L., Albuquerque, I. M., Alexander, T., Alton, A., Ampudia, P., Ardito, R., Arisaka, K., Arnquist, et al

2017; 40 (1)

- **The electronics and data acquisition system for the DarkSide-50 veto detectors** *JOURNAL OF INSTRUMENTATION*

Agnes, P., Agostino, L., Albuquerque, I. F., Alexander, T., ALTON, A. K., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Bottino, B., Brigatti, et al

2016; 11

- **FERMI LARGE AREA TELESCOPE DETECTION OF EXTENDED GAMMA-RAY EMISSION FROM THE RADIO GALAXY FORNAX A** *ASTROPHYSICAL JOURNAL*

Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Brandt, T. J., Bregeon, et al

2016; 826 (1)

- **LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW 150914** *ASTROPHYSICAL JOURNAL LETTERS*

Abbott, B. P., Abbott, R., Abbott, T. D., ABERNATHY, M. R., Acernese, F., Ackley, K., Adams, C., Adams, T., Addesso, P., Adhikari, R. X., Adya, V. B., Affeldt, C., Agathos, et al

2016; 826 (1)

- **SUPPLEMENT: "LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914" (2016, ApJL, 826, L13) ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES**
Abbott, B. P., Abbott, R., Abbott, T. D., ABERNATHY, M. R., Acernese, F., Ackley, K., Adams, C., Adams, T., Addesso, P., Adhikari, R. X., Adya, V. B., Affeldt, C., Agathos, et al
2016; 225 (1)
- **The DarkSide physics program and its recent results NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS**
D'Angelo, D., Agnes, P., Agostino, L., Albuquerque, I. M., Alexander, T., Alton, A. K., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Bottino, et al
2016; 39 (4)
- **MINUTE-TIMESCALE > 100 MeV gamma-RAY VARIABILITY DURING THE GIANT OUTBURST OF QUASAR 3C 279 OBSERVED BY FERMI-LAT IN 2015 JUNE ASTROPHYSICAL JOURNAL LETTERS**
Ackermann, M., Anantua, R., Asano, K., Baldini, L., Barbiellini, G., Bastieri, D., Gonzalez, J. B., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bottacini, et al
2016; 824 (2)
- **FERMI-LAT OBSERVATIONS OF THE LIGO EVENT GW150914 ASTROPHYSICAL JOURNAL LETTERS**
Ackermann, M., Ajello, M., Albert, A., Anderson, B., Arimoto, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Gonzalez, et al
2016; 823 (1)
- **FERMI LAT STACKING ANALYSIS OF SWIFT LOCALIZED GRBs ASTROPHYSICAL JOURNAL**
Ackermann, M., Ajello, M., Anderson, B., Atwood, W. B., Axelsson, M., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bhat, P. N., Bissaldi, E., Bonino, R., Bottacini, et al
2016; 822 (2)
- **THE FIRST FERMI LAT SUPERNOVA REMNANT CATALOG ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES**
Acero, F., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bottacini, et al
2016; 224 (1)
- **Search for Spectral Irregularities due to Photon-Axionlike-Particle Oscillations with the Fermi Large Area Telescope PHYSICAL REVIEW LETTERS**
Ajello, M., Albert, A., Anderson, B., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bottacini, E., Bregeon, et al
2016; 116 (16)
- **Measurement of the high-energy gamma-ray emission from the Moon with the Fermi Large Area Telescope. Physical review. D. (2016)**
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bonino, R., Bottacini, E., Bregeon, et al
2016; 93 (8): 082001
- **Resolving the Extragalactic gamma-Ray Background above 50 GeV with the Fermi Large Area Telescope PHYSICAL REVIEW LETTERS**
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, et al
2016; 116 (15)
- **Measurement of the high-energy gamma-ray emission from the Moon with the Fermi Large Area Telescope PHYSICAL REVIEW D**
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bonino, R., Bottacini, E., Bregeon, et al
2016; 93 (8)
- **Results from the first use of low radioactivity argon in a dark matter search PHYSICAL REVIEW D**
Agnes, P., Agostino, L., Albuquerque, I. F., Alexander, T., ALTON, A. K., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Bottino, B., Brigatti, et al
2016; 93 (8)
- **DEVELOPMENT OF THE MODEL OF GALACTIC INTERSTELLAR EMISSION FOR STANDARD POINT-SOURCE ANALYSIS OF FERMI LARGE AREA TELESCOPE DATA ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES**

- Acero, F., Ackermann, M., Ajello, M., Albert, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Bottacini, et al
2016; 223 (2)
- **A first walk on the DarkSide**
Davini, S., Agnes, P., Alexander, T., Alton, A., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Brigatti, A., Brodsky, J., Budano, et al
ELSEVIER.2016: 452-458
 - **CONTEMPORANEOUS BROADBAND OBSERVATIONS OF THREE HIGH-REDSHIFT BL LAC OBJECTS** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., An, H., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bonino, R., Bregeon, J., Britto, R. J., Bruel, et al
2016; 820 (1)
 - **SEARCH FOR GAMMA-RAY EMISSION FROM THE COMA CLUSTER WITH SIX YEARS OF FERMI-LAT DATA** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Blandford, R. D., Brooms, et al
2016; 819 (2)
 - **DEEP MORPHOLOGICAL AND SPECTRAL STUDY OF THE SNR RCW 86 WITH FERMI-LAT** *ASTROPHYSICAL JOURNAL*
Ajello, M., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Bottacini, E., Brandt, T. J., Bregeon, J., Bruel, P., Buehler, et al
2016; 819 (2)
 - **FERMI-LAT OBSERVATIONS OF HIGH-ENERGY gamma-RAY EMISSION TOWARD THE GALACTIC CENTER** *ASTROPHYSICAL JOURNAL*
Ajello, M., Albert, A., Atwood, W. B., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, R., Bottacini, E., Brandt, et al
2016; 819 (1)
 - **The veto system of the DarkSide-50 experiment** *JOURNAL OF INSTRUMENTATION*
Agnes, P., Agostino, L., Albuquerque, I. F., Alexandere, T., ALTON, A. K., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Bottino, B., Brigatti, et al
2016; 11
 - **Deep view of the Large Magellanic Cloud with six years of Fermi-LAT observations** *ASTRONOMY & ASTROPHYSICS*
Ackermann, M., Albert, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Brandt, T. J., Bregeon, et al
2016; 586
 - **The DarkSide project** *JOURNAL OF INSTRUMENTATION*
Agnes, P., Agostino, L., Albuquerque, I. F., Alexander, T., ALTON, A. K., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Bottino, B., Brigatti, et al
2016; 11
 - **2FHL: THE SECOND CATALOG OF HARD FERMI-LAT SOURCES** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Gonzalez, J. B., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, et al
2016; 222 (1)
 - **The DarkSide-50 outer detectors**
Westerdale, S., Agnes, P., Agostino, L., Albuquerque, I. M., Alexander, T., Alton, A. K., Arisaka, K., Back, H., Baldin, B., Biery, K., Bonfin, G., Bossa, M., Bottino, et al
IOP PUBLISHING LTD.2016
 - **The DarkSide awakens**
Davini, S., Agnes, P., Agostino, L., Albuquerque, I. M., Alexander, T., Alton, A. K., Arisaka, K., Back, H., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Bottino, et al
IOP PUBLISHING LTD.2016
 - **The DarkSide Program**
Rossi, B., Agnes, P., Alexander, T., Alton, A., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Brigatti, A., Brodsk, J., Budano, et al
E D P SCIENCES.2016

- **Current status of the dark matter experiment DarkSide-50** *NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS*
Marini, L., Pagani, L., Agnes, P., Alexander, T., Alton, A., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Brigatti, A., Brodsky, et al
2016; 39 (1)
- **VERY HIGH ENERGY gamma-RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE $z=0.940$ BLAZAR PKS 1441+25 WITH MAGIC** *ASTROPHYSICAL JOURNAL LETTERS*
Ahnen, M. L., Ansoldi, S., Antonelli, L. A., Antoranz, P., Babic, A., Banerjee, B., Bangale, P., de Almeida, U. B., Barrio, J. A., Bednarek, W., Bernardini, E., Biasuzzi, B., Biland, et al
2015; 815 (2)
- **Searching for Dark Matter Annihilation from Milky Way Dwarf Spheroidal Galaxies with Six Years of Fermi Large Area Telescope Data** *PHYSICAL REVIEW LETTERS*
Ackermann, M., Albert, A., Anderson, B., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, et al
2015; 115 (23)
- **An extremely bright gamma-ray pulsar in the Large Magellanic Cloud** *SCIENCE*
Ackermann, M., Albert, A., Baldini, L., Ballet, J., Barbiellini, G., Barbieri, C., Bastieri, D., Bellazzini, R., Bissaldi, E., Bonino, R., Bottacini, E., Brandt, T. J., Bregeon, et al
2015; 350 (6262): 801-805
- **MULTIWAVELENGTH EVIDENCE FOR QUASI-PERIODIC MODULATION IN THE GAMMA-RAY BLAZAR PG 1553+113** *ASTROPHYSICAL JOURNAL LETTERS*
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Gonzalez, J. B., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, et al
2015; 813 (2)
- **SEARCH FOR EXTENDED GAMMA-RAY EMISSION FROM THE VIRGO GALAXY CLUSTER WITH FERMI-LAT** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Bottacini, et al
2015; 812 (2)
- **THE THIRD CATALOG OF ACTIVE GALACTIC NUCLEI DETECTED BY THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Gonzalez, J. B., Bellazzini, R., Bialdi, E., Blandford, R. D., Bloom, E. D., Bonino, et al
2015; 810 (1)
- **Limits on dark matter annihilation signals from the Fermi LAT 4-year measurement of the isotropic gamma-ray background** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
Ackermann, M., Ajello, M., Albert, A., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonino, R., Bregeon, J., Bruehl, et al
2015
- **PSR J1906+0722: AN ELUSIVE GAMMA-RAY PULSAR** *ASTROPHYSICAL JOURNAL LETTERS*
Clark, C. J., Pletsch, H. J., Wu, J., Guillemot, L., Ackermann, M., Allen, B., De Angelis, A., Aulbert, C., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, et al
2015; 809 (1)
- **SEARCH FOR EARLY GAMMA-RAY PRODUCTION IN SUPERNOVAE LOCATED IN A DENSE CIRCUMSTELLAR MEDIUM WITH THE FERMI LAT** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Arcavi, I., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bonino, R., Bottacini, E., Brandt, T. J., Bregeon, et al
2015; 807 (2)
- **Updated search for spectral lines from Galactic dark matter interactions with pass 8 data from the Fermi Large Area Telescope** *PHYSICAL REVIEW D*
Ackermann, M., Ajello, M., Albert, A., Anderson, B., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bonino, et al
2015; 91 (12)
- **SECOND CATALOG OF ACTIVE GALACTIC NUCLEI DETECTED BY THE FERMI LARGE AREA TELESCOPE (vol 743, 171, 2011)** *ASTROPHYSICAL JOURNAL*

- Ackermann, M., Ajello, M., Allafort, A., Antolini, E., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, et al
2015; 806 (1)
- **FERMI LARGE AREA TELESCOPE THIRD SOURCE CATALOG** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Acero, F., Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Belfiore, A., Bellazzini, R., Bissaldi, et al
2015; 218 (2)
 - **First results from the DarkSide-50 dark matter experiment at Laboratori Nazionali del Gran Sasso** *PHYSICS LETTERS B*
Agnes, P., Alexander, T., Alton, A., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Brigatti, A., Brodsky, J., Budano, F., Cadonati, et al
2015; 743: 456-466
 - **GAMMA-RAY FLARING ACTIVITY FROM THE GRAVITATIONALLY LENSED BLAZAR PKS 1830-211 OBSERVED BY Fermi LAT** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Amin, M. A., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bonamente, E., Borgland, et al
2015; 799 (2)
 - **THE SPECTRUM OF ISOTROPIC DIFFUSE GAMMA-RAY EMISSION BETWEEN 100 MeV AND 820 GeV** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, et al
2015; 799 (1)
 - **The DarkSide veto: muon and neutron detectors** *NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS*
Pagani, L., Agnes, P., Alexander, T., Alton, A., Arisaka, K., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Brigatti, A., Brodsky, J., Budano, et al
2015; 38 (1)
 - **The DarkSide Multiton Detector for the Direct Dark Matter Search** *ADVANCES IN HIGH ENERGY PHYSICS*
Aalseth, C. E., Agnes, P., Alton, A., Arisaka, K., Asner, D. M., Back, H. O., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Brigatti, A., Brodsky, J., Budano, et al
2015; 2015
 - **DarkSide-50: a WIMP search with a two-phase argon TPC**
Meyers, P. D., DarkSide Collaboration, Haxton, W., Avignone, F.
ELSEVIER SCIENCE BV.2015: 124-129
 - **Direct Search for Dark Matter with DarkSide**
Agnes, P., Alexander, T., Alton, A., Arisaka, K., Back, H., Baldin, B., Biery, K., Bonfini, G., Bossa, M., Brigatti, A., Brodsky, J., Budano, F., Cadonati, et al
IOP PUBLISHING LTD.2015
 - **THE SPECTRUM AND MORPHOLOGY OF THE FERMI BUBBLES** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Albert, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bottacini, E., Brandt, et al
2014; 793 (1)
 - **Fermi establishes classical novae as a distinct class of gamma-ray sources** *SCIENCE*
Ackermann, M., Ajello, M., Albert, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Blandford, R. D., Bloom, E. D., Bottacini, E., Brandt, et al
2014; 345 (6196): 554-558
 - **IMPULSIVE AND LONG DURATION HIGH-ENERGY GAMMA-RAY EMISSION FROM THE VERY BRIGHT 2012 MARCH 7 SOLAR FLARES** *ASTROPHYSICAL JOURNAL*
Ajello, M., Albert, A., Allafort, A., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Bonamente, E., Brandt, T. J., Bregeon, J., Brigida, M., Bruel, et al
2014; 789 (1)
 - **SEARCH FOR COSMIC-RAY-INDUCED GAMMA-RAY EMISSION IN GALAXY CLUSTERS** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Albert, A., Allafort, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bloom, E. D., Bonamente, et al
2014; 787 (1)

- **HIGH-ENERGY GAMMA-RAY EMISSION FROM SOLAR FLARES: SUMMARY OF FERMI LARGE AREA TELESCOPE DETECTIONS AND ANALYSIS OF TWO M-CLASS FLARES** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Albert, A., Allafort, A., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Bonamente, E., Bottacini, E., Bouvier, et al
2014; 787 (1)
- **MULTIFREQUENCY STUDIES OF THE PECULIAR QUASAR 4C+21.35 DURING THE 2010 FLARING ACTIVITY** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Antolini, E., Barbiellini, G., Bastieri, D., Bellazzini, R., Bissaldi, E., Bonamente, E., Bregeon, J., Brigida, M., Bruel, P., Buehler, et al
2014; 786 (2)
- **Inferred cosmic-ray spectrum from Fermi large area telescope γ -ray observations of Earth's limb.** *Physical review letters*
Ackermann, M., Ajello, M., Albert, A., Allafort, A., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Bottacini, et al
2014; 112 (15): 151103-?
- **Inferred Cosmic-Ray Spectrum from Fermi Large Area Telescope gamma-Ray Observations of Earth's Limb** *PHYSICAL REVIEW LETTERS*
Ackermann, M., Ajello, M., Albert, A., Allafort, A., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Bottacini, et al
2014; 112 (15)
- **DEEP BROADBAND OBSERVATIONS OF THE DISTANT GAMMA-RAY BLAZAR PKS 1424+240** *ASTROPHYSICAL JOURNAL LETTERS*
Archambault, S., Aune, T., Behera, B., Beilicke, M., Benbow, W., Berger, K., Bird, R., Biteau, J., Bugaev, V., Byrum, K., Cardenzana, J. V., Cerruti, M., Chen, et al
2014; 785 (1)
- **Fermi LARGE AREA TELESCOPE OBSERVATIONS OF BLAZAR 3C 279 OCCULTATIONS BY THE SUN** *ASTROPHYSICAL JOURNAL*
Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Borgland, A. W., Bregeon, J., Bruel, P., Buehler, R., Buson, S., Caliendo, G. A., Cameron, R. A., Caraveo, et al
2014; 784 (2)
- **Fermi LARGE AREA TELESCOPE OBSERVATIONS OF BLAZAR 3C 279 OCCULTATIONS BY THE SUN.** *The Astrophysical journal*
Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Borgland, A. W., Bregeon, J., Bruel, P., Buehler, R., Buson, S., Caliendo, G. A., Cameron, R. A., Caraveo, et al
2014; 784 (2)
- **Dark matter constraints from observations of 25 Milky Way satellite galaxies with the Fermi Large Area Telescope** *PHYSICAL REVIEW D*
Ackermann, M., Albert, A., Anderson, B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonamente, E., Bouvier, et al
2014; 89 (4)
- **The First Pulse of the Extremely Bright GRB 130427A: A Test Lab for Synchrotron Shocks** *SCIENCE*
Preece, R., Burgess, J. M., von Kienlin, A., Bhat, P. N., Briggs, M. S., Byrne, D., CHAPLIN, V., Cleveland, W., Collazzi, A. C., Connaughton, V., Diekmann, A., Fitzpatrick, G., Foley, et al
2014; 343 (6166): 51-54
- **Fermi-LAT Observations of the Gamma-Ray Burst GRB 130427A** *SCIENCE*
Ackermann, M., Ajello, M., Asano, K., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, et al
2014; 343 (6166): 42-47
- **THE FIRST FERMI-LAT CATALOG OF SOURCES ABOVE 10 GeV** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Belfiore, A., Bellazzini, R., Bernieri, E., Bissaldi, et al
2013; 209 (2)
- **FERMI LARGE AREA TELESCOPE STUDY OF COSMIC-RAYS AND THE INTERSTELLAR MEDIUM IN NEARBY MOLECULAR CLOUDS (vol 755, 22, 2012)** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2013; 778 (1)

- **PSR J2021+4026 IN THE GAMMA CYGNI REGION: THE FIRST VARIABLE gamma-RAY PULSAR SEEN BY THE Fermi LAT** *ASTROPHYSICAL JOURNAL LETTERS*
Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bellazzini, R., Bonamente, E., Bottacini, E., Brandt, T. J., Bregeon, J., Bruel, P., Buehler, et al
2013; 777 (1)
- **DarkSide search for dark matter**
Alexander, T., Alton, D., Arisaka, K., Back, H. O., Beltrame, P., Benziger, J., Bonfini, G., Brigatti, A., Brodsky, J., Bussino, S., Cadonati, L., Calaprice, F., Candela, et al
IOP PUBLISHING LTD.2013
- **THE FIRST FERMI-LAT GAMMA-RAY BURST CATALOG** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Ackermann, M., Ajello, M., Asano, K., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bhat, P. N., Bissaldi, E., Bloom, et al
2013; 209 (1)
- **Search for gamma-ray spectral lines with the Fermi Large Area Telescope and dark matter implications** *PHYSICAL REVIEW D*
Ackermann, M., Ajello, M., Albert, A., Allafort, A., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, E., Bloom, E. D., Bonamente, E., Bottacini, et al
2013; 88 (8)
- **THE SECOND FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Abdo, A. A., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Belfiore, A., Bellazzini, R., Bhattacharyya, B., Bissaldi, E., Bloom, et al
2013; 208 (2)
- **ASSOCIATING LONG-TERM gamma-RAY VARIABILITY WITH THE SUPERORBITAL PERIOD OF LS I+61 degrees 303** *ASTROPHYSICAL JOURNAL LETTERS*
Ackermann, M., Ajello, M., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Bonamente, E., Brandt, T. J., Bregeon, J., Brigida, M., Bruel, P., Buehler, R., Buson, et al
2013; 773 (2)
- **CONSTRAINTS ON THE GALACTIC POPULATION OF TeV PULSAR WIND NEBULAE USING FERMI LARGE AREA TELESCOPE OBSERVATIONS** *ASTROPHYSICAL JOURNAL*
Acero, F., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, et al
2013; 773 (1)
- **CONSTRAINTS ON THE COSMIC-RAY DENSITY GRADIENT BEYOND THE SOLAR CIRCLE FROM FERMI gamma-RAY OBSERVATIONS OF THE THIRD GALACTIC QUADRANT (vol 726, pg 81, 2011)** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, E., Borgland, A. W., Brandt, et al
2013; 772 (2)
- **THE FERMI ALL-SKY VARIABILITY ANALYSIS: A LIST OF FLARING GAMMA-RAY SOURCES AND THE SEARCH FOR TRANSIENTS IN OUR GALAXY** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Albert, A., Allafort, A., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, et al
2013; 771 (1)
- **DETERMINATION OF THE POINT-SPREAD FUNCTION FOR THE FERMI LARGE AREA TELESCOPE FROM ON-ORBIT DATA AND LIMITS ON PAIR HALOS OF ACTIVE GALACTIC NUCLEI** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Asano, K., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bloom, E. D., Bonamente, et al
2013; 765 (1)
- **Detection of the Characteristic Pion-Decay Signature in Supernova Remnants** *SCIENCE*
Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, et al
2013; 339 (6121): 807-811

- **MULTIWAVELENGTH OBSERVATIONS OF GRB 110731A: GeV EMISSION FROM ONSET TO AFTERGLOW** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Asano, K., Baldini, L., Barbiellini, G., Baring, M. G., Bastieri, D., Bellazzini, R., Blandford, R. D., Bonamente, E., Borgland, A. W., Bottacini, E., Bregeon, et al
2013; 763 (2)
- **CONSTRAINTS ON THE GALACTIC HALO DARK MATTER FROM FERMI-LAT DIFFUSE MEASUREMENTS** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bottacini, et al
2012; 761 (2)
- **Binary Millisecond Pulsar Discovery via Gamma-Ray Pulsations** *SCIENCE*
Pletsch, H. J., Guillemot, L., Fehrmann, H., Allen, B., Kramer, M., Aulbert, C., Ackermann, M., Ajello, M., De Angelis, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, et al
2012; 338 (6112): 1314-1317
- **The XENON dark matter experiment: status of the XENON 10 phase**
Monzani, M., XENON Collaboration
ELSEVIER SCIENCE BV.2012: 376
- **The T2KLAr: a liquid Ar TPC for the T2K experiment**
Monzani, M., Mereaglia, A.
ELSEVIER SCIENCE BV.2012: 377
- **The Imprint of the Extragalactic Background Light in the Gamma-Ray Spectra of Blazars** *SCIENCE*
Ackermann, M., Ajello, M., Allafort, A., Schady, P., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Blandford, R. D., Bloom, E. D., Borgland, A. W., Bottacini, et al
2012; 338 (6111): 1190-1192
- **THE FERMI LARGE AREA TELESCOPE ON ORBIT: EVENT CLASSIFICATION, INSTRUMENT RESPONSE FUNCTIONS, AND CALIBRATION** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Ackermann, M., Ajello, M., Albert, A., Allafort, A., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bissaldi, et al
2012; 203 (1)
- **FERMI OBSERVATIONS OF gamma-RAY EMISSION FROM THE MOON** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bonamente, et al
2012; 758 (2)
- **GRB110721A: AN EXTREME PEAK ENERGY AND SIGNATURES OF THE PHOTOSPHERE** *ASTROPHYSICAL JOURNAL LETTERS*
Axelsson, M., Baldini, L., Barbiellini, G., Baring, M. G., Bellazzini, R., Bregeon, J., Brigida, M., Bruel, P., Buehler, R., Caliandro, G. A., Cameron, R. A., Caraveo, P. A., Cecchi, et al
2012; 757 (2)
- **GAMMA-RAY OBSERVATIONS OF THE ORION MOLECULAR CLOUDS WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2012; 756 (1)
- **GeV OBSERVATIONS OF STAR-FORMING GALAXIES WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, E., Borgland, A. W., Bouvier, et al
2012; 755 (2)
- **FERMI LARGE AREA TELESCOPE STUDY OF COSMIC RAYS AND THE INTERSTELLAR MEDIUM IN NEARBY MOLECULAR CLOUDS** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2012; 755 (1)

- **CONSTRAINING THE HIGH-ENERGY EMISSION FROM GAMMA-RAY BURSTS WITH FERMI** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Baldini, L., Barbiellini, G., Baring, M. G., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bottacini, E., Bouvier, et al
2012; 754 (2)
- **Fermi LAT search for dark matter in gamma-ray lines and the inclusive photon spectrum** *PHYSICAL REVIEW D*
Ackermann, M., Ajello, M., Albert, A., Baldini, L., Barbiellini, G., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Brigida, et al
2012; 86 (2)
- **A STATISTICAL APPROACH TO RECOGNIZING SOURCE CLASSES FOR UNASSOCIATED SOURCES IN THE FIRST FERMI-LAT CATALOG** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2012; 753 (1)
- **MULTI-WAVELENGTH OBSERVATIONS OF BLAZAR AO 0235+164 IN THE 2008-2009 FLARING STATE** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bottacini, E., Bregeon, J., Brigida, et al
2012; 751 (2)
- **FERMI-LAT OBSERVATIONS OF THE DIFFUSE gamma-RAY EMISSION: IMPLICATIONS FOR COSMIC RAYS AND THE INTERSTELLAR MEDIUM** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2012; 750 (1)
- **Anisotropies in the diffuse gamma-ray background measured by the Fermi LAT** *PHYSICAL REVIEW D*
Ackermann, M., Ajello, M., Albert, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bloom, E. D., Bonamente, E., Borgland, A. W., Brandt, et al
2012; 85 (8)
- **FERMI LARGE AREA TELESCOPE SECOND SOURCE CATALOG** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Nolan, P. L., Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Antolini, E., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, et al
2012; 199 (2)
- **FERMI DETECTION OF gamma-RAY EMISSION FROM THE M2 SOFT X-RAY FLARE ON 2010 JUNE 12 (vol 745, pg 144,2012)** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bhat, P. N., Blandford, R. D., Bonamente, E., Borgland, et al
2012; 748 (2)
- **SEARCH FOR DARK MATTER SATELLITES USING FERMI-LAT** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Albert, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bottacini, et al
2012; 747 (2)
- **SEARCH FOR GAMMA-RAY EMISSION FROM X-RAY-SELECTED SEYFERT GALAXIES WITH FERMI-LAT** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, E., Borgland, et al
2012; 747 (2)
- **The cosmic-ray and gas content of the Cygnus region as measured in gamma-rays by the Fermi Large Area Telescope** *ASTRONOMY & ASTROPHYSICS*
Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Belfiore, A., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2012; 538
- **Limits on large extra dimensions based on observations of neutron stars with the Fermi-LAT** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
Ajello, M., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, E., Borgland, A. W., Bregeon, J., Brigida, M., Bruel, et al

2012

- **FERMI DETECTION OF gamma-RAY EMISSION FROM THE M2 SOFT X-RAY FLARE ON 2010 JUNE 12f** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bhat, P. N., Blandford, R. D., Bonamente, E., Borgland, et al
2012; 745 (2)
- **Periodic Emission from the Gamma-Ray Binary 1FGL J1018.6-5856** *SCIENCE*
Ackermann, M., Ajello, M., Ballet, J., Barbiellini, G., Bastieri, D., Belfiore, A., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bregeon, et al
2012; 335 (6065): 189-193
- **Measurement of Separate Cosmic-Ray Electron and Positron Spectra with the Fermi Large Area Telescope** *PHYSICAL REVIEW LETTERS*
Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2012; 108 (1)
- **In-flight measurement of the absolute energy scale of the Fermi Large Area Telescope** *ASTROPARTICLE PHYSICS*
Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Axelsson, M., Baldini, L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, et al
2012; 35 (6): 346-353
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF THE SUPERNOVA REMNANT G8.7-0.1** *ASTROPHYSICAL JOURNAL*
Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, et al
2012; 744 (1)
- **THE SECOND CATALOG OF ACTIVE GALACTIC NUCLEI DETECTED BY THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Antolini, E., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, et al
2011; 743 (2)
- **Constraining Dark Matter Models from a Combined Analysis of Milky Way Satellites with the Fermi Large Area Telescope** *PHYSICAL REVIEW LETTERS*
Ackermann, M., Ajello, M., Albert, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2011; 107 (24)
- **A Cocoon of Freshly Accelerated Cosmic Rays Detected by Fermi in the Cygnus Superbubble** *SCIENCE*
Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Belfiore, A., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2011; 334 (6059): 1103-1107
- **Fermi Detection of a Luminous gamma-Ray Pulsar in a Globular Cluster** *SCIENCE*
Freire, P. C., Abdo, A. A., Ajello, M., Allafort, A., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, et al
2011; 334 (6059): 1107-1110
- **gamma-RAY AND PARSEC-SCALE JET PROPERTIES OF A COMPLETE SAMPLE OF BLAZARS FROM THE MOJAVE PROGRAM** *ASTROPHYSICAL JOURNAL*
Lister, M. L., Aller, M., Aller, H., Hovatta, T., Kellermann, K. I., Kovalev, Y. Y., Meyer, E. T., Pushkarev, A. B., Ros, E., Ackermann, M., Antolini, E., Baldini, L., Ballet, et al
2011; 742 (1)
- **THE RADIO/GAMMA-RAY CONNECTION IN ACTIVE GALACTIC NUCLEI IN THE ERA OF THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Allafort, A., Angelakis, E., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2011; 741 (1)
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF THE ACTIVE GALAXY 4C+55.17: STEADY, HARD GAMMA-RAY EMISSION AND ITS IMPLICATIONS** *ASTROPHYSICAL JOURNAL*

-
- McConville, W., Ostorero, L., Moderski, R., Stawarz, L., Cheung, C. C., Ajello, M., Bouvier, A., Bregeon, J., Donato, D., Finke, J., Furniss, A., McEnery, J. E., Monzani, et al
2011; 738 (2)
- **Simultaneous multi-wavelength campaign on PKS 2005-489 in a high state** *ASTRONOMY & ASTROPHYSICS*
Abramowski, A., Acero, F., Aharonian, F., Akhperjanian, A. G., Anton, G., Barnacka, A., de Almeida, U. B., Bazer-Bachi, A. R., Becherini, Y., Becker, J., Behera, B., Bernloehr, K., Bochow, et al
2011; 533
 - **Constraints on dark matter models from a Fermi LAT search for high-energy cosmic-ray electrons from the Sun** *PHYSICAL REVIEW D*
Ajello, M., Atwood, W. B., Baldini, L., Barbiellini, G., Bastieri, D., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bottacini, E., Bouvier, et al
2011; 84 (3)
 - **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF MARKARIAN 421: THE MISSING PIECE OF ITS SPECTRAL ENERGY DISTRIBUTION** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2011; 736 (2)
 - **Search for Light Dark Matter in XENON10 Data** *PHYSICAL REVIEW LETTERS*
Angle, J., Aprile, E., Arneodo, F., Baudis, L., Bernstein, A., Bolozdynya, A. I., Coelho, L. C., Dahl, C. E., DeViveiros, L., Ferella, A. D., Fernandes, L. P., Fiorucci, S., Gaitskell, et al
2011; 107 (5): 051301
 - **DISCOVERY OF HIGH-ENERGY GAMMA-RAY EMISSION FROM THE BINARY SYSTEM PSR B1259-63/LS 2883 AROUND PERIASTRON WITH FERMI** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bonamente, E., Borgland, et al
2011; 736 (1)
 - **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF TWO GAMMA-RAY EMISSION COMPONENTS FROM THE QUIESCENT SUN** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bonamente, E., Borgland, A. W., Bouvier, et al
2011; 734 (2)
 - **DETECTION OF HIGH-ENERGY GAMMA-RAY EMISSION DURING THE X-RAY FLARING ACTIVITY IN GRB 100728A** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bhat, P. N., Bissaldi, et al
2011; 734 (2)
 - **OBSERVATIONS OF THE YOUNG SUPERNOVA REMNANT RX J1713.7-3946 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2011; 734 (1)
 - **FERMI GAMMA-RAY SPACE TELESCOPE OBSERVATIONS OF THE GAMMA-RAY OUTBURST FROM 3C454.3 IN NOVEMBER 2010** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2011; 733 (2)
 - **MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING GAMMA-RAY BLAZAR 3C 66A IN 2008 OCTOBER (vol 726, pg 43, 2011)** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bonamente, E., Borgland, et al
2011; 731 (1)
 - **Design and performance of the XENON10 dark matter experiment** *ASTROPARTICLE PHYSICS*

- Aprile, E., Angle, J., Arneodo, F., Baudis, L., Bernstein, A., Bolozdynya, A., Brusov, P., Coelho, L. C., Dahl, C. E., DeViveiros, L., Ferella, A. D., Fernandes, L. P., Fiorucci, et al
2011; 34 (9): 679–98
- **THE FIRST FERMI MULTIFREQUENCY CAMPAIGN ON BL LACERTAE: CHARACTERIZING THE LOW-ACTIVITY STATE OF THE EPONYMOUS BLAZAR** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bonamente, et al
2011; 730 (2)
 - **DETECTION OF A SPECTRAL BREAK IN THE EXTRA HARD COMPONENT OF GRB 090926A** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Asano, K., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bhat, et al
2011; 729 (2)
 - **THE FIRST FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS (vol 187, pg 460, 2010)** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al
2011; 193 (1)
 - **RADIO AND gamma-RAY CONSTRAINTS ON THE EMISSION GEOMETRY AND BIRTHPLACE OF PSR J2043+2740** *ASTROPHYSICAL JOURNAL*
Noutsos, A., Abdo, A. A., Ackermann, M., Ajello, M., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bonamente, E., Borgland, et al
2011; 728 (2)
 - **Gamma-Ray Flares from the Crab Nebula** *SCIENCE*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2011; 331 (6018): 739-742
 - **INSIGHTS INTO THE HIGH-ENERGY gamma-RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE FERMI ERA** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2011; 727 (2)
 - **CONSTRAINTS ON THE COSMIC-RAY DENSITY GRADIENT BEYOND THE SOLAR CIRCLE FROM FERMI gamma-RAY OBSERVATIONS OF THE THIRD GALACTIC QUADRANT** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, E., Borgland, A. W., Brandt, et al
2011; 726 (2)
 - **MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING GAMMA-RAY BLAZAR 3C 66A IN 2008 OCTOBER** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bonamente, E., Borgland, et al
2011; 726 (1)
 - **FERMI-LAT SEARCH FOR PULSAR WIND NEBULAE AROUND GAMMA-RAY PULSARS** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, E., Borgland, A. W., Bouvier, et al
2011; 726 (1)
 - **SEARCH FOR GAMMA-RAY EMISSION FROM MAGNETARS WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, et al
2010; 725 (1): L73-L78
 - **A population of gamma-ray emitting globular clusters seen with the Fermi Large Area Telescope** *ASTRONOMY & ASTROPHYSICS*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, A. W., Bouvier, et al

2010; 524

- **Searches for cosmic-ray electron anisotropies with the Fermi Large Area Telescope** *PHYSICAL REVIEW D*
Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, E., Borgland, et al
2010; 82 (9)
- **Fermi LAT observations of cosmic-ray electrons from 7 GeV to 1 TeV** *PHYSICAL REVIEW D*
Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellardi, F., Bellazzini, R., Belli, F., Berenji, et al
2010; 82 (9)
- **FERMI LARGE AREA TELESCOPE CONSTRAINTS ON THE GAMMA-RAY OPACITY OF THE UNIVERSE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al
2010; 723 (2): 1082-1096
- **Detection of the Small Magellanic Cloud in gamma-rays with Fermi/LAT** *ASTRONOMY & ASTROPHYSICS*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, D., Bloom, E. D., Bonamente, et al
2010; 523
- **FERMI LARGE AREA TELESCOPE OBSERVATION OF A GAMMA-RAY SOURCE AT THE POSITION OF ETA CARINAE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bonamente, et al
2010; 723 (1): 649-657
- **Fermi Large Area Telescope observations of Local Group galaxies: detection of M31 and search for M33** *ASTRONOMY & ASTROPHYSICS*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 523
- **FERMI-LAT STUDY OF GAMMA-RAY EMISSION IN THE DIRECTION OF SUPERNOVA REMNANT W49B** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Bloom, E. D., Bonamente, E., Borgland, A. W., Bouvier, et al
2010; 722 (2): 1303-1311
- **GAMMA-RAY LIGHT CURVES AND VARIABILITY OF BRIGHT FERMI-DETECTED BLAZARS** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2010; 722 (1): 520-542
- **FERMI LARGE AREA TELESCOPE AND MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING ACTIVITY OF PKS 1510-089 BETWEEN 2008 SEPTEMBER AND 2009 JUNE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Agudo, I., Ajello, M., Allafort, A., Aller, H. D., Aller, M. F., Antolini, E., Arkharov, A. A., Axelsson, M., Bach, U., Baldini, L., Ballet, et al
2010; 721 (2): 1425-1447
- **FERMI GAMMA-RAY SPACE TELESCOPE OBSERVATIONS OF GAMMA-RAY OUTBURSTS FROM 3C 454.3 IN 2009 DECEMBER AND 2010 APRIL** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bonamente, E., Borgland, A. W., Bregeon, et al
2010; 721 (2): 1383-1396
- **FERMI-LAT OBSERVATIONS OF THE GEMINGA PULSAR** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastier, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Bignami, G. F., Blandford, et al
2010; 720 (1): 272-283
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF MISALIGNED ACTIVE GALACTIC NUCLEI** *ASTROPHYSICAL JOURNAL*

- Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2010; 720 (1): 912-922
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF GAMMA-RAY PULSARS PSR J1057-5226, J1709-4429, AND J1952+3252** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ajello, M., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bonamente, E., Borgland, et al
2010; 720 (1): 26-40
 - **THE FERMI-LAT HIGH-LATITUDE SURVEY: SOURCE COUNT DISTRIBUTIONS AND THE ORIGIN OF THE EXTRAGALACTIC DIFFUSE BACKGROUND** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 720 (1): 435-453
 - **FERMI LARGE AREA TELESCOPE VIEW OF THE CORE OF THE RADIO GALAXY CENTAURUS A** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 719 (2): 1433-1444
 - **Gamma-Ray Emission Concurrent with the Nova in the Symbiotic Binary V407 Cygni** *SCIENCE*
Abdo, A. A.
2010; 329 (5993): 817-821
 - **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF THE SUPERNOVA REMNANT W28 (G6.4-0.1)** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2010; 718 (1): 348-356
 - **FERMI OBSERVATIONS OF HIGH-ENERGY GAMMA-RAY EMISSION FROM GRB 090217A** *ASTROPHYSICAL JOURNAL LETTERS*
Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bhat, P. N., Bissaldi, E., Blandford, et al
2010; 717 (2): L127-L132
 - **GeV GAMMA-RAY FLUX UPPER LIMITS FROM CLUSTERS OF GALAXIES** *ASTROPHYSICAL JOURNAL LETTERS*
Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Blasi, P., Bloom, E. D., Bonamente, et al
2010; 717 (1): L71-L78
 - **FERMI OBSERVATIONS OF GRB 090510: A SHORT-HARD GAMMA-RAY BURST WITH AN ADDITIONAL, HARD POWER-LAW COMPONENT FROM 10 keV TO GeV ENERGIES** *ASTROPHYSICAL JOURNAL*
Ackermann, M., Asano, K., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bhat, et al
2010; 716 (2): 1178-1190
 - **THE SPECTRAL ENERGY DISTRIBUTION OF FERMI BRIGHT BLAZARS** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Agudo, I., Ajello, M., Aller, H. D., Aller, M. F., Angelakis, E., Arkharov, A. A., Axelsson, M., Bach, U., Baldini, L., Ballet, J., Barbiellini, et al
2010; 716 (1): 30-70
 - **SUZAKU OBSERVATIONS OF LUMINOUS QUASARS: REVEALING THE NATURE OF HIGH-ENERGY BLAZAR EMISSION IN LOW-LEVEL ACTIVITY STATES** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Antolini, E., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 716 (1): 835-849
 - **FERMI LARGE AREA TELESCOPE FIRST SOURCE CATALOG** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Antolini, E., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, et al
2010; 188 (2): 405-436

- **THE DISCOVERY OF gamma-RAY EMISSION FROM THE BLAZAR RGB J0710+591** *ASTROPHYSICAL JOURNAL LETTERS*
Acciari, V. A., Aliu, E., Arlen, T., Aune, T., Bautista, M., Beilicke, M., Benbow, W., Boettcher, M., Boltuch, D., Bradbury, S. M., Buckley, J. H., Bugaev, V., Byrum, et al
2010; 715 (1): L49-L55
- **THE FIRST CATALOG OF ACTIVE GALACTIC NUCLEI DETECTED BY THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Antolini, E., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, et al
2010; 715 (1): 429-457
- **Fermi Gamma-Ray Imaging of a Radio Galaxy** *SCIENCE*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 328 (5979): 725-729
- **FERMI-LARGE AREA TELESCOPE OBSERVATIONS OF THE EXCEPTIONAL GAMMA-RAY OUTBURSTS OF 3C 273 IN 2009 SEPTEMBER** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2010; 714 (1): L73-L78
- **Constraints on dark matter annihilation in clusters of galaxies with the Fermi large area telescope** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, E. D., Bonamente, E., Borgland, et al
2010
- **DETECTION OF THE ENERGETIC PULSAR PSR B1509-58 AND ITS PULSAR WIND NEBULA IN MSH 15-52 USING THE FERMI-LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Asano, K., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, et al
2010; 714 (1): 927-936
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF THE VELA-X PULSAR WIND NEBULA** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2010; 713 (1): 146-153
- **THE VELA PULSAR: RESULTS FROM THE FIRST YEAR OF FERMI LAT OBSERVATIONS** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al
2010; 713 (1): 154-165
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF PSR J1836+5925** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., ATWOOD, B., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Belfiore, A., Bellazzini, R., Berenji, et al
2010; 712 (2): 1209-1218
- **Constraints on cosmological dark matter annihilation from the Fermi-LAT isotropic diffuse gamma-ray measurement** *JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, E. D., Bonamente, et al
2010
- **DISCOVERY OF PULSED gamma-RAYS FROM PSR J0034-0534 WITH THE FERMI LARGE AREA TELESCOPE: A CASE FOR CO-LOCATED RADIO AND gamma-RAY EMISSION REGIONS** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2010; 712 (2): 957-963
- **THE FIRST FERMI LARGE AREA TELESCOPE CATALOG OF GAMMA-RAY PULSARS** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*

- Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al
2010; 187 (2): 460-494
- **FERMI DETECTION DELAYED GeV EMISSION FROM THE SHORT GAMMA-RAY BURST 081024B** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Asano, K., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al
2010; 712 (1): 558-564
 - **OBSERVATIONS OF MILKY WAY DWARF SPHEROIDAL GALAXIES WITH THE FERMI-LARGE AREA TELESCOPE DETECTOR AND CONSTRAINTS ON DARK MATTER MODELS** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, et al
2010; 712 (1): 147-158
 - **OBSERVATION OF SUPERNOVA REMNANT IC 443 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2010; 712 (1): 459-468
 - **Spectrum of the Isotropic Diffuse Gamma-Ray Emission Derived from First-Year Fermi Large Area Telescope Data** *PHYSICAL REVIEW LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 104 (10)
 - **Fermi Large Area Telescope Search for Photon Lines from 30 to 200 GeV and Dark Matter Implications** *PHYSICAL REVIEW LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, et al
2010; 104 (9)
 - **PSR J1907+0602: A RADIO-FAINT GAMMA-RAY PULSAR POWERING A BRIGHT TeV PULSAR WIND NEBULA** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, R. D., Bloom, et al
2010; 711 (1): 64-74
 - **Observations of the Large Magellanic Cloud with Fermi** *ASTRONOMY & ASTROPHYSICS*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 512
 - **Gamma-Ray Emission from the Shell of Supernova Remnant W44 Revealed by the Fermi LAT** *SCIENCE*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 327 (5969): 1103-1106
 - **SPECTRAL PROPERTIES OF BRIGHT FERMI-DETECTED BLAZARS IN THE GAMMA-RAY BAND** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 710 (2): 1271-1285
 - **A change in the optical polarization associated with a gamma-ray flare in the blazar 3C 279** *NATURE*
Abdo, A. A., Ackermann, M., Ajello, M., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2010; 463 (7283): 919-923
 - **FERMI-LAT DISCOVERY OF GeV GAMMA-RAY EMISSION FROM THE YOUNG SUPERNOVA REMNANT CASSIOPEIA A** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Allafort, A., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al
2010; 710 (1): L92-L97

- **PKS 1502+106: A NEW AND DISTANT GAMMA-RAY BLAZAR IN OUTBURST DISCOVERED BY THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al
2010; 710 (1): 810-827
- **FERMI OBSERVATIONS OF CASSIOPEIA AND CEPHEUS: DIFFUSE GAMMA-RAY EMISSION IN THE OUTER GALAXY** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, et al
2010; 710 (1): 133-149
- **DETECTION OF GAMMA-RAY EMISSION FROM THE STARBURST GALAXIES M82 AND NGC 253 WITH THE LARGE AREA TELESCOPE** *ON FERMI ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, et al
2010; 709 (2): L152-L157
- **SWIFT AND FERMI OBSERVATIONS OF THE EARLY AFTERGLOW OF THE SHORT GAMMA-RAY BURST 090510** *ASTROPHYSICAL JOURNAL LETTERS*
De Pasquale, M., Schady, P., KUIN, N. P., Page, M. J., Curran, P. A., Zane, S., Oates, S. R., Holland, S. T., Breeveld, A. A., Hoversten, E. A., Chincarini, G., Grupe, D., Abdo, et al
2010; 709 (2): L146-L151
- **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF THE CRAB PULSAR AND NEBULA** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, et al
2010; 708 (2): 1254-1267
- **DISCOVERY OF VERY HIGH ENERGY GAMMA RAYS FROM PKS 1424+240 AND MULTIWAVELENGTH CONSTRAINTS ON ITS REDSHIFT** *ASTROPHYSICAL JOURNAL LETTERS*
Acciari, V. A., Aliu, E., Arlen, T., Aune, T., Bautista, M., Beilicke, M., Benbow, W., Boettcher, M., Boltuch, D., Bradbury, S. M., Buckley, J. H., Bugaev, V., Byrum, et al
2010; 708 (2): L100-L106
- **FERMI OBSERVATIONS OF THE VERY HARD GAMMA-RAY BLAZAR PG 1553+113** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, et al
2010; 708 (2): 1310-1320
- **GAMMA-RAY AND RADIO PROPERTIES OF SIX PULSARS DETECTED BY THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Weltevrede, P., Abdo, A. A., Ackermann, M., Ajello, M., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al
2010; 708 (2): 1426-1441
- **FERMI OBSERVATIONS OF TeV-SELECTED ACTIVE GALACTIC NUCLEI** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, et al
2009; 707 (2): 1310-1333
- **RADIO-LOUD NARROW-LINE SEYFERT 1 AS A NEW CLASS OF GAMMA-RAY ACTIVE GALACTIC NUCLEI** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, E. D., Bonamente, E., Borgland, et al
2009; 707 (2): L142-L147
- **Fermi Large Area Telescope Measurements of the Diffuse Gamma-Ray Emission at Intermediate Galactic Latitudes** *PHYSICAL REVIEW LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Anderson, B., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al
2009; 103 (25)

- **Modulated High-Energy Gamma-Ray Emission from the Microquasar Cygnus X-3** *SCIENCE*
Abdo, A. A., Ackermann, M., Ajello, M., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2009; 326 (5959): 1512-1516
- **MULTIWAVELENGTH MONITORING OF THE ENIGMATIC NARROW-LINE SEYFERT 1 PMN J0948+0022 IN 2009 MARCH-JULY** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, et al
2009; 707 (1): 727-737
- **FERMI OBSERVATIONS OF HIGH-ENERGY GAMMA-RAY EMISSION FROM GRB 080825C** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Asano, K., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Band, D. L., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, et al
2009; 707 (1): 580-592
- **FERMI LARGE AREA TELESCOPE GAMMA-RAY DETECTION OF THE RADIO GALAXY M87** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2009; 707 (1): 55-60
- **Constraints on inelastic dark matter from XENON10** *PHYSICAL REVIEW D*
Angle, J., Aprile, E., Arneodo, F., Baudis, L., Bernstein, A., Bolozdynya, A., Coelho, L. C., Dahl, C. E., DeViveiros, L., Ferella, A. D., Fernandes, L. P., Fiorucci, S., Gaitskell, et al
2009; 80 (11)
- **FERMI LARGE AREA TELESCOPE DETECTION OF PULSED gamma-RAYS FROM THE VELA-LIKE PULSARS PSR J1048-5832 AND PSR J2229+6114** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al
2009; 706 (2): 1331-1340
- **Fermi large area telescope observations of the cosmic-ray induced gamma-ray emission of the Earth's atmosphere** *PHYSICAL REVIEW D*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, et al
2009; 80 (12)
- **FERMI LAT DISCOVERY OF EXTENDED GAMMA-RAY EMISSION IN THE DIRECTION OF SUPERNOVA REMNANT W51C** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2009; 706 (1): L1-L6
- **FERMI OBSERVATIONS OF GRB 090902B: A DISTINCT SPECTRAL COMPONENT IN THE PROMPT AND DELAYED EMISSION** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Asano, K., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, et al
2009; 706 (1): L138-L144
- **FERMI/LAT OBSERVATIONS OF LS 5039** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al
2009; 706 (1): L56-L61
- **A limit on the variation of the speed of light arising from quantum gravity effects** *NATURE*
Abdo, A. A., Ackermann, M., Ajello, M., Asano, K., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Bechtol, K., Bellazzini, et al
2009; 462 (7271): 331-334
- **The on-orbit calibration of the Fermi Large Area Telescope** *ASTROPARTICLE PHYSICS*
Abdo, A. A., Ackermann, M., Ajello, M., Ampe, J., Anderson, B., Atwood, W. B., Axelsson, M., Bagagli, R., Baldini, L., Ballet, J., Barbiellini, G., Bartelt, J., Bastieri, et al

2009; 32 (3-4): 193-219

- **The liquid handling systems for the Borexino solar neutrino detector** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Alimonti, G., Arpesella, C., Avanzini, M. B., Back, H., Balata, M., Bartolomei, D., de Bellefon, A., Bellini, G., Benziger, J., Bevilacqua, A., Bondi, D., Bonetti, S., Brigatti, et al
2009; 609 (1): 58-78
- **FERMI LAT OBSERVATION OF DIFFUSE GAMMA RAYS PRODUCED THROUGH INTERACTIONS BETWEEN LOCAL INTERSTELLAR MATTER AND HIGH-ENERGY COSMIC RAYS** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al
2009; 703 (2): 1249-1256
- **FERMI LAT OBSERVATIONS OF LS I+61 degrees 303: FIRST DETECTION OF AN ORBITAL MODULATION IN GeV GAMMA RAYS** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al
2009; 701 (2): L123-L128
- **Detection of 16 Gamma-Ray Pulsars Through Blind Frequency Searches Using the Fermi LAT** *SCIENCE*
Abdo, A. A., Ackermann, M., Ajello, M., Anderson, B., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, et al
2009; 325 (5942): 840-844
- **Detection of High-Energy Gamma-Ray Emission from the Globular Cluster 47 Tucanae with Fermi** *SCIENCE*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al
2009; 325 (5942): 845-848
- **A Population of Gamma-Ray Millisecond Pulsars Seen with the Fermi Large Area Telescope** *SCIENCE*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, et al
2009; 325 (5942): 848-852
- **PULSED GAMMA-RAYS FROM PSR J2021+3651 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al
2009; 700 (2): 1059-1066
- **BRIGHT ACTIVE GALACTIC NUCLEI SOURCE LIST FROM THE FIRST THREE MONTHS OF THE FERMI LARGE AREA TELESCOPE ALL-SKY SURVEY** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Blandford, et al
2009; 700 (1): 597-622
- **FERMI/LARGE AREA TELESCOPE DISCOVERY OF GAMMA-RAY EMISSION FROM A RELATIVISTIC JET IN THE NARROW-LINE QUASAR PMN J0948+0022** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Ajello, M., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, K., Bellazzini, R., Bloom, et al
2009; 699 (2): 976-984
- **DISCOVERY OF PULSATIONS FROM THE PULSAR J0205+6449 IN SNR 3C 58 WITH THE FERMI GAMMA-RAY SPACE TELESCOPE** *ASTROPHYSICAL JOURNAL LETTERS*
Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al
2009; 699 (2): L102-L107
- **PULSED GAMMA RAYS FROM THE MILLISECOND PULSAR J0030+0451 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL*
Abdo, A. A., Ackermann, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, et al

2009; 699 (2): 1171-1177

• **FERMI DISCOVERY OF GAMMA-RAY EMISSION FROM NGC 1275** *ASTROPHYSICAL JOURNAL*

Abdo, A. A., Ackermann, M., Ajello, M., Asano, K., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Blandford, R. D., Bloom, et al

2009; 699 (1): 31-39

• **EARLY FERMI GAMMA-RAY SPACE TELESCOPE OBSERVATIONS OF THE QUASAR 3C 454.3** *ASTROPHYSICAL JOURNAL*

Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, K., Bellazzini, et al

2009; 699 (1): 817-823

• **FERMI/LARGE AREA TELESCOPE BRIGHT GAMMA-RAY SOURCE LIST** *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*

Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Band, D. L., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, et al

2009; 183 (1): 46-66

• **THE LARGE AREA TELESCOPE ON THE FERMI GAMMA-RAY SPACE TELESCOPE MISSION** *ASTROPHYSICAL JOURNAL*

Atwood, W. B., Abdo, A. A., Ackermann, M., Althouse, W., Anderson, B., Axelsson, M., Baldini, L., Ballet, J., Band, D. L., Barbiellini, G., Bartelt, J., Bastieri, D., Baughman, et al

2009; 697 (2): 1071-1102

• **FERMI/LARGE AREA TELESCOPE DISCOVERY OF GAMMA-RAY EMISSION FROM THE FLAT-SPECTRUM RADIO QUASAR PKS 1454-354** *ASTROPHYSICAL JOURNAL*

Abdo, A. A., Ackermann, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al

2009; 697 (1): 934-941

• **FERMI LARGE AREA TELESCOPE OBSERVATIONS OF THE VELA PULSAR** *ASTROPHYSICAL JOURNAL*

Abdo, A. A., Ackermann, M., Atwood, W. B., Bagagli, R., Baldini, L., Ballet, J., Band, D. L., Barbiellini, G., Baring, M. G., Bartelt, J., Bastieri, D., Baughman, B. M., Bechtol, et al

2009; 696 (2): 1084-1093

• **SIMULTANEOUS OBSERVATIONS OF PKS 2155-304 WITH HESS, FERMI, RXTE, AND ATOM: SPECTRAL ENERGY DISTRIBUTIONS AND VARIABILITY IN A LOW STATE** *ASTROPHYSICAL JOURNAL LETTERS*

Aharonian, F., Akhperjanian, A. G., Anton, G., de Almeida, U. B., Bazer-Bachi, A. R., Becherini, Y., Behera, B., Bernloehr, K., Boisson, C., Bochow, A., Borrel, V., Brion, E., BRUCKER, et al

2009; 696 (2): L150-L155

• **Measurement of the Cosmic Ray $e^{+}+e^{-}$ Spectrum from 20 GeV to 1 TeV with the Fermi Large Area Telescope** *PHYSICAL REVIEW LETTERS*

Abdo, A. A., Ackermann, M., Ajello, M., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Barbiellini, G., Bastieri, D., Battelino, M., Baughman, B. M., Bechtol, K., Bellazzini, et al

2009; 102 (18)

• **DISCOVERY OF PULSED gamma-RAYS FROM THE YOUNG RADIO PULSAR PSR J1028-5819 WITH THE FERMI LARGE AREA TELESCOPE** *ASTROPHYSICAL JOURNAL LETTERS*

Abdo, A. A., Ackermann, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Bloom, et al

2009; 695 (1): L72-L77

• **New measurement of the relative scintillation efficiency of xenon nuclear recoils below 10 keV** *PHYSICAL REVIEW C*

Aprile, E., Baudis, L., Choi, B., Giboni, K. L., Lim, K., Manalaysay, A., Monzani, M. E., Plante, G., Santorelli, R., Yamashita, M.

2009; 79 (4)

• **The scintillation and ionization yield of liquid xenon for nuclear recoils** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*

Sorensen, P., Manzur, A., Dahl, C. E., Angle, J., Aprile, E., Arneodo, F., Baudis, L., Bernstein, A., Bolozdynya, A., Coelho, L. C., DeViveiros, L., Ferella, A. D., Fernandes, et al

2009; 601 (3): 339-46

• **Fermi Observations of High-Energy Gamma-Ray Emission from GRB 080916C** *SCIENCE*

- Abdo, A. A., Ackermann, M., Arimoto, M., Asano, K., Atwood, W. B., Axelsson, M., Baldini, L., Ballet, J., Band, D. L., Barbiellini, G., Baring, M. G., Bastieri, D., Battelino, et al
2009; 323 (5922): 1688-1693
- **The Borexino detector at the Laboratori Nazionali del Gran Sasso** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Alimonti, G., Arpesella, C., Back, H., Balata, M., Bartolomei, D., de Bellefon, A., Bellini, G., Benziger, J., Bevilacqua, A., Bondi, D., Bonetti, S., Brigatti, A., Caccianiga, et al
2009; 600 (3): 568-593
 - **The Fermi Gamma-Ray Space Telescope Discovers the Pulsar in the Young Galactic Supernova Remnant CTA 1** *SCIENCE*
Abdo, A. A., Ackermann, M., Atwood, W. B., Baldini, L., Ballet, J., Barbiellini, G., Baring, M. G., Bastieri, D., Baughman, B. M., Bechtol, K., Bellazzini, R., Berenji, B., Blandford, et al
2008; 322 (5905): 1218-1221
 - **Limits on spin-dependent WIMP-nucleon cross sections from the XENON10 experiment** *PHYSICAL REVIEW LETTERS*
Angle, J., Aprile, E., Arneodo, F., Baudis, L., Bernstein, A., Bolozdynya, A., Coelho, L. C., Dahl, C. E., DeViveiros, L., Ferella, A. D., Fernandes, L. P., Fiorucci, S., Gaitskell, et al
2008; 101 (9): 091301
 - **Direct measurement of the (7)Be solar neutrino flux with 192 days of Borexino data** *PHYSICAL REVIEW LETTERS*
Arpesella, C., Back, H. O., Balata, M., Bellini, G., Benziger, J., Bonetti, S., Brigatti, A., Caccianiga, B., Cadonati, L., Calaprice, F., Carraro, C., Cecchet, G., Chavarria, et al
2008; 101 (9): 091302
 - **Search for solar axions emitted in the M1-transition of Li-7*with Borexino CTF** *EUROPEAN PHYSICAL JOURNAL C*
Bellini, G., Benziger, J., Bonetti, S., Caccianiga, B., Calaprice, F., Dalnoki-Veress, F., D'Angelo, D., de Kerret, H., Derbin, A., Etenko, A., Fomenko, K., Franco, D., Galbiati, et al
2008; 54 (1): 61-72
 - **Study of phenylxylethane (PXE) as scintillator for low energy neutrino experiments** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Back, H. O., Balata, M., de Bari, A., Beau, T., de Bellefon, A., Bellini, G., Benziger, J., Bonetti, S., Brigatti, A., Buck, C., Caccianiga, B., Cadonati, L., Calaprice, et al
2008; 585 (1-2): 48-60
 - **First results from the XENON10 dark matter experiment at the Gran Sasso National Laboratory** *PHYSICAL REVIEW LETTERS*
Angle, J., Aprile, E., Arneodo, F., Baudis, L., Bernstein, A., Bolozdynya, A., Brusov, P., Coelho, L. C., Dahl, C. E., DeViveiros, L., Ferella, A. D., Fernandes, L. P., Fiorucci, et al
2008; 100 (2): 021303
 - **First real time detection of Be-7 solar neutrinos by Borexino** *PHYSICS LETTERS B*
Arpesella, C., Bellini, G., Benziger, J., Bonetti, S., Caccianiga, B., Calaprice, F., Dalnoki-Veress, F., D'Angelo, D., de Kerret, H., Derbin, A., Deutsch, M., Etenko, A., Fomenko, et al
2008; 658 (4): 101-108
 - **Pulse-shape discrimination with the counting test facility** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
Back, H. O., Balata, M., Bellini, G., Benziger, J., Bonetti, S., Caccianiga, B., Calaprice, F., Dalnoki-Veress, F., D'Angelo, D., de Bellefon, A., de Kerret, H., Derbin, A., Etenko, et al
2008; 584 (1): 98-113
 - **First results on Be-7 solar neutrinos from the Borexino real time detector**
Bellini, G., Benziger, J., Bonetti, S., Caccianiga, B., Calaprice, F., Dalnoki-Veress, F., D'Angelo, D., de Kerret, H., Derbin, A., Etenko, A., Fomenko, K., Ford, R., Franco, et al
IOP PUBLISHING LTD.2008
 - **Scintillator purification, detector performance and first results from Borexino**
Pallavicini, M., Bellini, G., Benziger, J., Bonetti, S., Caccianiga, B., Calaprice, F., Dalnoki-Veress, F., D'Angelo, D., de Kerret, H., Derbin, A., Etenko, A., Fomenko, K., Ford, et al
IOP PUBLISHING LTD.2008

- **New Results on Solar Neutrino Fluxes from 192 Days of Borexino Data**

Galbiati, C., Arpesella, C., Back, H. O., Balata, M., Bellini, G., Benziger, J., Bonetti, S., Brigatti, A., Caccianiga, B., Cadonati, L., Calaprice, F., Carraro, C., Cecchet, et al
IOP PUBLISHING LTD.2008

- **3D position sensitive XeTPC for dark matter search**

Angle, J., Aprile, E., Arneodo, F., Baudis, L., Bernsteine, A., Bolozdynya, A., Coelho, L., Dahl, E., DeViveiros, L., Ferella, A., Fernandes, L., Fiorucci, S., Gaitskell, et al
ELSEVIER SCIENCE BV.2007: 117–20

- **XENON**

Aprile, E., Giboni, K., Monzani, M. E., Plante, G., Yamashita, M., Gaitskell, R. J., Fiorucci, S., Sorensen, P., DeViveiroS, L., Bernstein, A., Madden, N., Winant, C., Shutt, et al
ELSEVIER SCIENCE BV.2007: 113–16

- **CNO and pep neutrino spectroscopy in Borexino: Measurement of the deep-underground production of cosmogenic C-11 in an organic liquid scintillator** *PHYSICAL REVIEW C*

Back, H., Balata, M., Bellini, G., Benziger, J., Bonetti, S., Caccianiga, B., Calaprice, F., D'Angelo, D., de Bellefon, A., de Kerret, H., Derbin, A., Etenko, A., Ford, et al
2006; 74 (4)

- **Search for electron antineutrino interactions with the Borexino Counting Test Facility at Gran Sasso** *EUROPEAN PHYSICAL JOURNAL C*

Balata, M., Bellini, G., Benziger, J., Bonetti, S., Caccianiga, B., Calaprice, F., D'Angelo, D., de Bellefon, A., de Kerret, H., Derbin, A., Etenko, A., Ford, R., Franco, et al
2006; 47 (1): 21-30

- **Supernova neutrino detection in Borexino**

Monzani, M. E.
SOC ITALIANA FISICA.2006: 269-280

- **Current status of the BOREXINO experiment** *NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS*

Galbiati, C., BOREXINO Collaboration
2005; 143: 21-24

- **New experimental limits on violations of the Pauli exclusion principle obtained with the Borexino Counting Test Facility** *EUROPEAN PHYSICAL JOURNAL C*

Back, H. O., Balata, M., de Bari, A., de Bellefon, A., Bellini, G., Benziger, J., Bonetti, S., Buck, C., Caccianiga, B., Cadonati, L., Calaprice, F., Cecchet, G., Chen, et al
2004; 37 (4): 421-431

- **A sampling board optimized for pulse shape discrimination in liquid scintillator applications**

Ranucci, G., Dossi, R., Inzani, P., Korga, G., Lombardi, P., Meroni, E., Monzani, M. E.
IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC.2004: 1784-1790

- **A sampling board optimised for pulse shape discrimination in liquid scintillator applications**

Ranucci, G., Dossi, R., Inzani, P., Korga, G., Lombardi, P., Meroni, E., Monzani, M. E., Metzler, S. D.
IEEE.2004: 97-101

- **Study of neutrino electromagnetic properties with the prototype of the Borexino detector** *PHYSICS LETTERS B*

Back, H. O., Balata, M., de Bari, A., Beau, T., de Bellefon, A., Bellini, G., Benziger, J., Bonetti, S., Buck, C., Caccianiga, B., Cadonati, L., Calaprice, F., Cecchet, et al
2003; 563 (1-2): 35-47

- **New limits on nucleon decays into invisible channels with the BOREXINO counting test facility** *PHYSICS LETTERS B*

Back, H. O., Balata, M., de Bari, A., Beau, T., de Bellefon, A., Bellini, G., Benziger, J., Bonetti, S., Buck, C., Caccianiga, B., Cadonati, L., Calaprice, F., Cecchet, et al
2003; 563 (1-2): 23-34

- **New experimental limits on heavy neutrino mixing in B-8-decay obtained with the Borexino Counting Test Facility** *JETP LETTERS*

Back, H. O., Balata, M., de Bari, A., Beau, T., de Bellefon, A., Bellini, G., Benziger, J., Bonetti, S., Buck, C., Caccianiga, B., Cadonati, L., Calaprice, F., Cecchet, et al

2003; 78 (5): 261-266

- **Measurements of extremely low radioactivity levels in BOREXINO** *ASTROPARTICLE PHYSICS*

Arpesella, C., Back, H. O., Balata, M., Beau, T., Bellini, G., Benziger, J., Bonetti, S., Brigatti, A., Buck, C., Caccianiga, B., Cadonati, L., Calaprice, F., Cecchet, et al

2002; 18 (1): 1-25

- **Search for electron decay mode $e \rightarrow \gamma + \nu$ with prototype of Borexino detector** *PHYSICS LETTERS B*

Back, H. O., Balata, M., de Bari, A., Beau, T., de Bellefon, A., Bellini, G., Benziger, J., Bonetti, S., Buck, C., Caccianiga, B., Cadonati, L., Calaprice, F., Cecchet, et al

2002; 525 (1-2): 29-40

- **Sub-MeV solar neutrino detection in Borexino experiment**

Monzani, M. E., Faessler, A.

ELSEVIER SCIENCE BV.2002: 21-22