

## Publications

1. *On the Interpretation of the Fermi-GBM Transient Observed in Coincidence with LIGO Gravitational-wave Event GW150914*  
V. Connaughton, . . . , P. Veres, et al.  
ApJL, **853**, 9, (2018) (arXiv:1801.02305)
2. *Multi-messenger Observations of a Binary Neutron Star Merger*  
Abbott, B.P.; . . . P. Veres, et al.  
ApJL, **848**, 12, (2017) (arXiv:1710.05833)
3. *Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A*  
Abbott, B.P.; . . . P. Veres, et al.  
ApJL, **848**, 13, (2017) (arXiv:1710.05834)
4. *An Ordinary Short Gamma-Ray Burst with Extraordinary Implications: Fermi-GBM Detection of GRB 170817A*  
Goldstein, A.; Veres P., et al.  
ApJL, **848**, 14, (2017) (arXiv:1710.05446)
5. *Fermi Observations of the LIGO Event GW170104*  
Goldstein, A.; Veres P., et al.  
ApJL, **846**, 5, (2017) (arXiv:1706.00199)
6. *Modeling the High-energy Emission in GRB 110721A and Implications on the Early Multiwavelength and Polarimetric Observations*  
Fraija, N.; Veres P., et al.  
ApJ, **848**, 94, (2017) (arXiv:1709.06263)
7. *Theoretical Description Of GRB 160625B with Wind-to-ISM Transition and Implications for a Magnetized Outflow*  
Fraija, N.; Veres P., et al.  
ApJ, **848**, 15, (2017) (arXiv:1705.09311)
8. *Properties of the Intergalactic Magnetic Field Constrained by Gamma-ray Observations of Gamma-Ray Bursts*  
Veres P.; Dermer, C. D.; Dhuga, K. S.  
ApJ, **847**, 39, (2017) (arXiv:1705.08531)
9. *High-energy emission as signature of magnetic field amplification in Neutron Star Mergers*  
Fraija, Nissim; Lee, William H.; Veres, Péter; Barniol Duran, Rodolfo  
(arXiv:1701.01184)
10. *Searching the Gamma-Ray Sky for Counterparts to Gravitational Wave Sources: /Fermi GBM and LAT Observations of LVT151012 and GW151226*

- Racusin, J. L.; . . . ; Veres P., et al.  
ApJ, **835**, 82, (2017) (arXiv:1606.04901)
11. [\*Updates to the Fermi-GBM Short GRB Targeted Offline Search in Preparation for LIGO's Second Observing Run\*](#)  
Goldstein, A.; Burns, E.; Hamburg, R.; Connaughton, V.; Veres P.; Briggs, M. S.; Hui, C. M.; The GBM-LIGO Collaboration.  
Research note (arXiv:1612.02395)
  12. [\*High-Energy Non-Thermal and Thermal Emission from GRB141207A detected by Fermi\*](#)  
Arimoto, Makoto; Asano, Katsuaki; Ohno, Masanori; Veres, Péter; Axelsson, Magnus; Bissaldi, Elisabetta; Tachibana, Yutaro; Kawai, Nobuyuki.  
ApJ, **833**, 139, (2016) (arXiv:1610.04867)
  13. [\*Modeling the early afterglow in the short and hard GRB 090510\*](#)  
Fraija, Nissim; Lee, William H.; Veres, Péter; Barniol Duran, Rodolfo  
ApJ, **831**, 22, (2016) (arXiv:1608.01420)
  14. [\*Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914\*](#)  
Abbot, B. P., . . . , P. Veres, et al.  
ApJ, **826**, 13, (2016) (arXiv:1602.08492)
  15. [\*Gravitational wave observations may constrain gamma-ray burst models: the case of GW 150914 - GBM\*](#)  
Veres P., Preece, R. D.; Goldstein, A.; Mészáros, P.; Burns, E.; Connaughton, V.  
ApJL, **827**, 34, (2016) (arXiv:1607.02616)
  16. [\*Fermi GBM Observations of LIGO Gravitational Wave event GW150914\*](#)  
V. Connaughton, . . . , P. Veres, et al.  
ApJ, **826**, 6, (2016) (arXiv:1602.03920)
  17. [\*The Third Fermi GBM Gamma-Ray Burst Catalog: The First Six Years\*](#)  
Narayana Bhat, P.; . . . , Péter Veres, et al.  
ApJS, **223**, 28, (2016) (arXiv:1603.07612)
  18. [\*The Fermi GBM gamma-ray burst time-resolved spectral catalog: brightest bursts in the first four years\*](#)  
Yu, Hoi-Fung, . . . , Veres, Péter, et al.,  
A&A, **588**, 135, (2016), (arXiv:1601.05206)
  19. [\*Modeling the early multiwavelength emission in GRB130427A\*](#)  
Fraija, Nissim; Lee, William H.; Veres, Péter  
ApJ, **818**, 190, (2016), (arXiv:1601.01264)
  20. [\*Fermi GBM Observations of V404 Cyg During its 2015 Outburst\*](#)  
Jenke, P. A.; Wilson-Hodge, C. A.; Homan, Jeroen; Veres P.; Briggs, M. S.; Burns, E.; Connaughton, V.; Finger, M. H.; Hui, M.  
ApJ, **826**, 37, (2016), (arXiv:1601.00911)
  21. [\*Happy Birthday Swift: Ultra-long GRB 141121A and its broad-band Afterglow\*](#)  
A. Cucchiara, P. Veres, A. Corsi, S. B. Cenko, D. A. Perley, et al.,  
ApJ, **812**, 122, (2015), (arXiv:1510.00996)
  22. [\*Early-time VLA observations and broad-band afterglow analysis of the Fermi-LAT detected GRB 130907A\*](#)  
Péter Veres, Alessandra Corsi, Dale A. Frail, S. Bradley Cenko, Daniel Perley

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- ApJ, **810**, 31, (2015) (arXiv:1411.7368)
23. [\*Gamma-ray Bursts: Temporal Scales and the Bulk Lorentz Factor\*](#)  
Sonbas, E.; MacLachlan, G. A.; Dhuga, K. S.; Veres P.; Shenoy, A.; Ukwatta, T. N.  
ApJ, **805**, 86, (2015), (arXiv:1408.3042)
  24. [\*Constraints on Very High Energy Emission from GRB 130427A\*](#)  
E. Aliu, . . . , P. Veres (corresponding author) et al.  
ApJL, **795**, 3, (2014), (arXiv:1410.5367)
  25. [\*An Observed Correlation Between Thermal and Non-Thermal Emission in Gamma-Ray Bursts\*](#)  
Burgess, J. Michael; Preece, Robert D.; Ryde, Felix; Veres, Péter (corresponding author); et al.  
ApJL, **784**, 43, (2014), (arXiv:1403.0374)
  26. [\*Prospects for GeV-TeV detection of short gamma-ray bursts with extended emission\*](#)  
P. Veres, P. Mészáros,  
ApJ, **787**, 168, (2014), (arXiv:1312.0590)
  27. [\*Cherenkov Telescope Array is Well-suited to Follow Up Gravitational-wave Transients\*](#)  
Bartos, Imre; Péter Veres; Nieto, Daniel; Connaughton, Valerie; Humensky, Brian; Hurley, Kevin;  
Márka, Szabolcs; Mészáros, Péter; Mukherjee, Reshmi; O'Brien, Paul; Osborne, Julian P.  
MNRAS, **738**, 49, (2014), (arXiv:1403.6119)
  28. [\*Evidence for the Connection between Prompt and X-ray Afterglow emission of Swift-Detected Gamma-Ray Bursts\*](#)  
D. Grupe; J. A. Nousek; P. Veres; B.-B. Zhang; N. Gehrels  
ApJ Supplement Series, **209**, 20, (2013), (arXiv:1305.3236)
  29. [\*The obscured hyper-energetic GRB120624B hosted by a luminous compact galaxy at z=2.20\*](#)  
A. de Ugarte Postigo; S. Campana; C.C. Thöne; P. D'Avanzo; R. Sanchez-Ramirez; A. Melandri; J.  
Gorosabel; G. Ghirlanda; P. Veres; S. Martin; G. Petitpas; S. Covino; J.P.U. Fynbo; A.J. Levan  
A&A, **557**, 18, (2013), (arXiv:1309.1167)
  30. [\*Magnetically and Baryonically Dominated Photospheric Gamma-Ray Burst Model Fits to Fermi LAT Observations\*](#)  
P. Veres; B.-B. Zhang; P. Mészáros  
ApJ, **764**, 94, (2013), (arXiv:1210.7811)
  31. [\*The extremely high peak energy of GRB 110721A in the context of a dissipative photosphere synchrotron emission model\*](#)  
P. Veres; B.-B. Zhang; P. Mészáros  
ApJL, **761**, L18, (2012), (arXiv:1208.1790)
  32. [\*Searching for galactic sources in the Swift GRB catalog Statistical analyses of the angular distributions of FREDs\*](#)  
Tello J.C., Castro-Tirado A.J., Gorosabel J., Perez-Ramirez D., Guziy S., P. Veres, Bagoly Z.  
A&A Letters, **548**, 7, (2012), (arXiv:1210.3699)
  33. [\*Single- and Two-component Gamma-Ray Burst Spectra in the Fermi GBM-LAT Energy Range\*](#)  
P. Veres, P. Mészáros  
ApJ, **755**, 12, (2012), (arXiv:1202.2821)
  34. [\*On the Spectral Lags and Peak Counts of the Gamma-Ray Bursts Detected by the RHESSI Satellite\*](#)  
J. Ripa; A. Mészáros, ; P. Veres, I.H. Park  
ApJ, **756**, 44, (2012), (arXiv:1206.6198)
  35. [\*Characteristics of Swift's intermediate-population bursts\*](#)

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A&A, **525**, A109, (2011), (arXiv:1006.4469)
36. [A distinct peak-flux distribution of the third class of gamma-ray bursts: A possible signature of X-ray flashes?](#)  
P. Veres, Bagoly, Z.; Horváth, I.; Mészáros, A.; Balázs, L.G.  
ApJ, **725**, 1955, (2010), (arXiv:1010.2087)
  37. [Physical parameters of a relativistic jet at very high redshift: the case of the blazar J1430+4204](#)  
P. Veres, Frey, S.; Paragi, Z.; Gurvits, L  
A&A, **521**, 6, (2010)
  38. [Investigating gamma-ray burst data reduction techniques with Swift's instruments](#)  
P. Veres  
Advances in Space Research (2011), **47**, 1356
  39. [Investigating gamma- and X-ray properties of GRBs using multivariate statistics](#)  
Balázs, L.G., P. Veres  
Advances in Space Research (2011), **47**, 1404
  40. [Detailed Classification of Swift's Gamma-Ray Bursts](#)  
Horváth, I.; Bagoly, Z.; Balázs, L.G., de Ugarte Postigo, A, P. Veres, Mészáros, A;  
Astrophysical Journal, **713**, 552, (2010)
  41. [Detection of the ultra-high z short GRB 080913 and its implications on progenitors and energy extraction mechanisms](#)  
Perez-Ramirez, D.;... P. Veres; et al.  
A&A, **510**, A105, (2010)
  42. [Gamma-ray bursts: connecting the prompt emission with the afterglow](#)  
P. Veres, Bagoly, Z.  
Baltic Astronomy, **18**, 284 (2009)
  43. [Impact on cosmology of the celestial anisotropy of the short gamma-ray bursts](#)  
A. Mészáros, L. G. Balázs, Z. Bagoly, P. Veres  
Baltic Astronomy, **18**, 293 (2009)
  44. [Classification of Swift's gamma-ray bursts](#)  
I. Horváth, L. G. Balázs, Z. Bagoly, P. Veres  
Astronomy and Astrophysics, **489**, L1 (2008)
  45. [Model-independent methods of describing GRB spectra using BATSE MER data](#)  
P. Veres, Horváth I., Bagoly Z., Balázs L., Mészáros A., Tusnády G., Ryde F.  
Il Nuovo Cimento B, **121**, 1609, (2006), (arXiv:1001.0286)
  46. [Analysis of the BATSE continuous MER data](#)  
P. Veres, Horváth I., Balázs L.: Il Nuovo Cimento C **28**, 355, (2005) (arXiv:0510323)

## --- Talks, Seminars

1. IAU 2017 Symposium Gravitational Wave Astrophysics, October 16-19, 2017 Baton Rouge, Louisiana  
[Results from electromagnetic counterpart search programs with Fermi GBM \(talk\)](#)
2. GW170817: The First Double Neutron Star Merger, Dec 5-8, 2017, Santa Barbara, CA  
[Fermi GBM observations of GRB 170817A \(invited talk\)](#)
3. Columbia University Rapid Response Workshop: Binary NS Merger, 2017 October

- Fermi GBM observations of GRB 170817A (talk)*
4. European Week of Astronomy and Space Science, June 26-30, 2017, Prague, CZ  
*Photospheric models for gamma-ray burst prompt emission (invited talk)*
  5. 8<sup>th</sup> Huntsville Gamma-Ray Burst Symposium, October 24-28, 2016  
*Central Engines and Radiation Mechanisms of Gamma-Ray Bursts (invited talk)*
  6. Charles University Astrophysics seminar, June 29, 2017  
*Fermi satellite, gravitational waves detected by Advanced LIGO and the gamma-ray bursts*
  7. Columbia University Dept. of Astronomy seminar, October 31, 2013  
*Photospheric emission from GRB models with general dynamics and fits to Fermi LAT observations*
  8. Fifth International Fermi Symposium, October 20-24, 2014, Nagoya, Japan  
*Hints of the Jet Composition in Gamma-ray Bursts from Dissipative Photosphere Models (talk)*
  9. COSPAR meeting, 2-10 August 2014, Moscow, Russia  
*TeV range detection prospects of short gamma-ray bursts with extended emission episodes (talk)*
  10. The Unquiet Universe, 2-14 June 2014, Cefalù, Italy  
*TeV range detection prospects of short gamma-ray bursts with extended emission episodes (talk)*
  11. Gamma-Ray Bursts 2012 Conference, 7-11 May 2012, Munich, Germany  
*Single- and two-component gamma-ray burst spectra in the Fermi GBM-LAT energy range (talk)*
  12. Bolyai-Gauss-Lobachevsky Conference, Cluj-Napoca, Romania 5 - 9 July 2010  
*Gravitational Lensing Signatures in Gamma-Ray Burst Lightcurves (talk)*
  13. 5th Conference of Young Researchers in Astronomy and Astrophysics, Budapest, 2009 Sept. 2-4  
*Surprisingly strong outburst of an AGN at redshift  $z=4.7$  (talk)*
  14. 6th Integral/BART Workshop, Karlovy Vary, Czech Republic, 26-29 March 2009  
*Gamma-ray bursts: connecting the prompt emission with the afterglow*
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