Péter Veres

Publications

1. *Theoretical Description Of GRB 160625B with Wind-to-ISM Transition and Implications for a Magnetized Outflow*
   Fraija, N.; Veres P., et al.
   (arXiv:1705.09311)
2. *Properties of the Intergalactic Magnetic Field Constrained by Gamma-ray Observations of Gamma-Ray Bursts*
   Veres P.,; Dermer, C. D.; Dhuga, K. S.
   (arXiv:1705.08531)
3. *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)
4. *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)
5. *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,.
   (arXiv:1612.02395)
6. *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)
7. *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)
8. *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)
9. *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)
10. *Fermi GBM Observations of LIGO Gravitational Wave event GW150914*

320 Sparkman Dr – Huntsville, Alabama 35805
(814) 753 0998 • ☎ (256) 961 7637 • ✉ peter.veres@uah.edu

V. Connaughton, . . . , P. Veres, et al.
ApJ, **826**, 6, (2016) (arXiv:1602.03920)

11. *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)
12. *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)
13. *Modeling the early multiwavelength emission in GRB130427A*
Fraija, Nissim; Lee, William H.; Veres, Péter
ApJ, **818**, 190, (2016), (arXiv:1601.01264)
14. *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)
15. *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)
16. *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
ApJ, **810**, 31, (2015) (arXiv:1411.7368)
17. *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)
18. *Constraints on Very High Energy Emission from GRB 130427A*
E. Aliu, . . . , P. Veres (corresponding author) et al.
ApJL, **795**, 3, (2014), (arXiv:1410.5367)
19. *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)
20. *Prospects for GeV-TeV detection of short gamma-ray bursts with extended emission*
P. Veres, P. Mészáros,
ApJ, **787**, 168, (2014), (arXiv:1312.0590)
21. *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)
22. *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)
23. *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)

24. *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)
25. *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)
26. *Searching for galactic sources in the Swift GRB catalog Statistical analyses of the angular distrbutions of FREDs*
Tello J.C., Castro-Tirado A.J., Gorosabel J., Perez-Ramırez D., Guziy S., P. Veres, Bagoly Z.
A&A Letters, **548**, 7, (2012), (arXiv:1210.3699)
27. *Single- and Two-component Gamma-Ray Burst Spectra in the Fermi GBM-LAT Energy Range*
P. Veres, Mészáros, P.
ApJ, **755**, 12, (2012), (arXiv:1202.2821)
28. *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)
29. *Characteristics of Swift's intermediate-population bursts*
de Ugarte Postigo, A.; Horváth, I.; P. Veres; Bagoly, Z.; Kann, D. A. et al.
A&A, **525**, A109, (2011), (arXiv:1006.4469)
30. *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)
31. *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)
32. *Investigating gamma-ray burst data reduction techniques with Swift's instruments*
P. Veres
Advances in Space Research (2011), **47**, 1356
33. *Investigating gamma- and X-ray properties of GRBs using multivariate statistics*
Balázs, L.G., P. Veres
Advances in Space Research (2011), **47**, 1404
34. *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)
35. *Detection of the ultra-high z short GRB 080913 and its implications on progenitors and energy extraction mechanisms*
Perez-Ramirez, D.; de Ugarte Postigo, A.; Gorosabel, J.; Aloy, M. A.; Guerrero, M. A.; Osborne, J. P.; Page, K. L.; Warwick, R. S.; Horváth, I.; P. Veres, Jelinek, M.; Kubanek, P.; Guziy, S.; Bremer,

M.; Winters, J. M.; Castro-Tirado, A. J. ;
A&A, **510**, A105, (2010)

36. *Gamma-ray bursts: connecting the prompt emission with the afterglow*
P. Veres, Bagoly, Z.
Baltic Astronomy, **18**, 284 (2009)
37. *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)
38. *Classification of Swift's gamma-ray bursts*
I. Horváth, L. G. Balázs, Z. Bagoly, P. Veres
Astronomy and Astrophysics, **489**, L1 (2008)
39. *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)
40. *Analysis of the BATSE continuous MER data*
P. Veres, Horváth I., Balázs L.: Il Nuovo Cimento C **28**, 355, (2005) (arXiv:0510323)

320 Sparkman Dr – Huntsville, Alabama 35805
(814) 753 0998 • ☎ (256) 961 7637 • ✉ peter.veres@uah.edu