

Full Publication List, 1985-2023

Kenneth J Ragan

June 13, 2023

Publications listed in inverse chronological order (newest first). In all of my collaborations, the convention is to list authors alphabetically. Conference proceedings are not listed here.

Extracted from InSpire, June 2023.

1. S. O'Brien *et al* [VERITAS], **A multi-wavelength study to decipher the 2017 flare of the blazar OJ 287**, in press.
2. A. Acharyya *et al.* [VERITAS], “VERITAS discovery of very high energy gamma-ray emission from S3 1227+25 and multiwavelength observations,” [arXiv:2305.02860 [astro-ph.HE]].
3. A. Acharyya, A. Archer, P. Bangale, J. T. Bartkoske, P. Batista, M. Baumgart, W. Benbow, J. H. Buckley, A. Falcone and Q. Feng, *et al.* “Search for Ultraheavy Dark Matter from Observations of Dwarf Spheroidal Galaxies with VERITAS,” *Astrophys. J.* **945** (2023) no.2, 101 doi:10.3847/1538-4357/acbc7b [arXiv:2302.08784 [astro-ph.HE]].
4. A. Acharyya *et al.* [VERITAS], “VERITAS and Fermi-LAT Constraints on the Gamma-Ray Emission from Superluminous Supernovae SN2015bn and SN2017egm,” *Astrophys. J.* **945** (2023) no.1, 30 doi:10.3847/1538-4357/acb7e6 [arXiv:2302.06686 [astro-ph.HE]].
5. A. Acharyya, C. B. Adams, A. Archer, P. Bangale, J. T. Bartkoske, P. Batista, W. Benbow, A. Brill, R. Brose and J. H. Buckley, *et al.* “VTSCat: The VERITAS Catalog of Gamma-Ray Observations,” *Res. Notes AAS* **7** (2023) no.1, 6 doi:10.3847/2515-5172/acb147 [arXiv:2301.04498 [astro-ph.HE]].
6. H. Abe *et al.* [VERITAS, H.E.S.S. and MAGIC], “Gamma-ray observations of MAXI J1820+070 during the 2018 outburst,” *Mon. Not. Roy. Astron. Soc.* **517** (2022) no.4, 4736-4751 doi:10.1093/mnras/stac2686 [arXiv:2209.09785 [astro-ph.HE]].
7. C. B. Adams *et al.* [VERITAS and MAGIC], “Multiwavelength Observations of the Blazar VER J0521+211 during an Elevated TeV Gamma-Ray State,” *Astrophys. J.* **932** (2022) no.2, 129 doi:10.3847/1538-4357/ac6dd9 [arXiv:2205.02808 [astro-ph.HE]].
8. C. B. Adams, W. Benbow, A. Brill, J. H. Buckley, J. L. Christiansen, A. Falcone, Q. Feng, J. P. Finley, G. M. Foote and L. Fortson, *et al.* “The throughput calibration of the VERITAS telescopes,” *Astron. Astrophys.* **658** (2022), A83 doi:10.1051/0004-6361/202142275 [arXiv:2111.04676 [astro-ph.IM]].
9. C. B. Adams *et al.* [VERITAS and Fermi-LAT], “Variability and Spectral Characteristics of Three Flaring Gamma-Ray Quasars Observed by VERITAS and Fermi-LAT,” *Astrophys. J.* **924** (2022) no.2, 95 doi:10.3847/1538-4357/ac32bd [arXiv:2110.13181 [astro-ph.HE]].
10. Y. M. Tokayer *et al.* [(NuSTAR, MDM), VERITAS, MDM and NuSTAR], “Multiwavelength Observation Campaign of the TeV Gamma-Ray Binary HESS J0632 + 057 with NuSTAR, VERITAS, MDM, and Swift,” *Astrophys. J.* **923** (2021) no.1, 17 doi:10.3847/1538-4357/ac2c6a [arXiv:2110.01075 [astro-ph.HE]].
11. C. B. Adams *et al.* [VERITAS, MAGIC and H.E.S.S.], “Observation of the Gamma-Ray Binary HESS J0632+057 with the H.E.S.S., MAGIC, and VERITAS Telescopes,” *Astrophys. J.* **923** (2021) no.2, 241 doi:10.3847/1538-4357/ac29b7 [arXiv:2109.11894 [astro-ph.HE]].

12. C. B. Adams, A. Archer, W. Benbow, A. Brill, J. H. Buckley, M. Capasso, J. L. Christiansen, A. J. Chromey, M. Errando and A. Falcone, *et al.* “VERITAS contributions to the 37th International Cosmic Ray Conference,” [arXiv:2109.05119 [astro-ph.HE]].
13. H. Abdalla *et al.* [Hess, HAWC, VERITAS, MAGIC, H.E.S.S. and Fermi-LAT], “Combined dark matter searches towards dwarf spheroidal galaxies with Fermi-LAT, HAWC, H.E.S.S., MAGIC, and VERITAS,” PoS **ICRC2021** (2021), 528 doi:10.22323/1.395.0528 [arXiv:2108.13646 [hep-ex]].
14. M. Nieves Rosillo *et al.* [VERITAS], “The throughput calibration of the VERITAS telescopes,” PoS **ICRC2021** (2021), 721 doi:10.22323/1.395.0721 [arXiv:2108.10283 [astro-ph.IM]].
15. M. Capasso *et al.* [VERITAS], “TeV and Optical Observations of the Be/pulsar binary 1A0535+262 during the 2020 giant outburst,” PoS **ICRC2021** (2021), 856 doi:10.22323/1.395.0856 [arXiv:2108.09350 [astro-ph.HE]].
16. M. Capasso *et al.* [VERITAS], “Gamma-ray and Optical Observations of Repeating Fast Radio Bursts with VERITAS,” PoS **ICRC2021** (2021), 857 doi:10.22323/1.395.0857 [arXiv:2108.09354 [astro-ph.HE]].
17. J. L. Ryan *et al.* [VERITAS], “VERITAS Observations of the Galactic Center Region at Multi-TeV Gamma-Ray Energies,” PoS **ICRC2021** (2021), 833 doi:10.22323/1.395.0833 [arXiv:2108.08884 [astro-ph.HE]].
18. K. Flanagan *et al.* [VERITAS], “Identifying muon rings in VERITAS data using convolutional neural networks trained on images classified with Muon Hunters 2,” PoS **ICRC2021** (2021), 766 doi:10.22323/1.395.0766 [arXiv:2108.07771 [astro-ph.IM]].
19. C. Adams *et al.* [VERITAS], “An Archival Search for Very-High-Energy Counterparts to Sub-Threshold Neutron-Star Merger Candidates,” PoS **ICRC2021** (2021), 948 doi:10.22323/1.395.0948 [arXiv:2108.07317 [astro-ph.HE]].
20. S. Patel *et al.* [VERITAS], “VTSCat: The VERITAS Catalog of Gamma-Ray Observations,” PoS **ICRC2021** (2021), 812 doi:10.22323/1.395.0812 [arXiv:2108.06424 [astro-ph.HE]].
21. W. Jin *et al.* [VERITAS], “VERITAS follow-up observation of the blazar TXS 0506+056,” PoS **ICRC2021** (2021), 945 doi:10.22323/1.395.0945 [arXiv:2108.05463 [astro-ph.HE]].
22. C. B. Adams *et al.* [VERITAS], “An Archival Search for Neutron-star Mergers in Gravitational Waves and Very-high-energy Gamma Rays,” *Astrophys. J.* **918** (2021) no.2, 66 doi:10.3847/1538-4357/ac0623 [arXiv:2106.01386 [astro-ph.HE]].
23. W. Benbow *et al.* [VERITAS], “A Search for TeV Gamma-Ray Emission from Pulsar Tails by VERITAS,” *Astrophys. J.* **916** (2021) no.2, 117 doi:10.3847/1538-4357/ac05b9 [arXiv:2105.13911 [astro-ph.HE]].
24. C. B. Adams, W. Benbow, A. Brill, R. Brose, M. Buchovecky, M. Capasso, J. L. Christiansen, A. J. Chromey, M. K. Daniel and M. Errando, *et al.* “VERITAS Observations of the Galactic Center Region at Multi-TeV Gamma-Ray Energies,” *Astrophys. J.* **913** (2021) no.2, 115 doi:10.3847/1538-4357/abf926 [arXiv:2104.12735 [astro-ph.HE]].
25. J. C. Algaba *et al.* [Event Horizon Telescope, Fermi-LAT, H.E.S.S., MAGIC, VERITAS and EAVN], “Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign,” *Astrophys. J. Lett.* **911** (2021) no.1, L11 doi:10.3847/2041-8213/abef71 [arXiv:2104.06855 [astro-ph.HE]].
26. R. de Menezes *et al.* [Fermi-LAT, HESS, MAGIC, VERITAS, ZTF and TELAMON], “Multi-Messenger observations of the Fermi-LAT blazar 4FGL J0658.6+0636 consistent with an IceCube high-energy neutrino,” PoS **ICRC2021** (2021), 955 doi:10.22323/1.395.0955

27. A. U. Abeysekara, W. Benbow, A. Brill, J. H. Buckley, J. L. Christiansen, A. J. Chromey, M. K. Daniel, J. Davis, A. Falcone and Q. Feng, *et al.* “Demonstration of stellar intensity interferometry with the four VERITAS telescopes,” *Nature Astron.* **4** (2020) no.12, 1164-1169 doi:10.1038/s41550-020-1143-y [arXiv:2007.10295 [astro-ph.IM]].
28. A. Archer, W. Benbow, R. Bird, A. Brill, M. Buchovecky, J. H. Buckley, M. T. Carini, J. L. Christiansen, A. J. Chromey and M. K. Daniel, *et al.* “VERITAS Discovery of VHE Emission from the Radio Galaxy 3C 264: A Multiwavelength Study,” *Astrophys. J.* **896** (2020) no.1, 41 doi:10.3847/1538-4357/ab910e [arXiv:2005.03110 [astro-ph.HE]].
29. A. U. Abeysekara, A. Archer, W. Benbow, R. Bird, R. Brose, M. Buchovecky, J. H. Buckley, A. J. Chromey, W. Cui and M. K. Daniel, *et al.* “Evidence for Proton Acceleration up to TeV Energies Based on VERITAS and Fermi-LAT Observations of the Cas A SNR,” *Astrophys. J.* **894** (2020) no.1, 51 doi:10.3847/1538-4357/ab8310 [arXiv:2003.13615 [astro-ph.HE]].
30. A. U. Abeysekara *et al.* [VERITAS and MAGIC], “The Great Markarian 421 Flare of February 2010: Multiwavelength variability and correlation studies,” *Astrophys. J.* **890** (2020), 97 doi:10.3847/1538-4357/ab6612 [arXiv:2002.03567 [astro-ph.HE]].
31. J. Valverde *et al.* [Fermi-LAT and VERITAS], “A decade of multi-wavelength observations of the TeV blazar 1ES 1215+303: Extreme shift of the synchrotron peak frequency and long-term optical-gamma-ray flux increase,” *Astrophys. J.* **891** (2020), 170 doi:10.3847/1538-4357/ab765d [arXiv:2002.04119 [astro-ph.HE]].
32. A. U. Abeysekara *et al.* [VERITAS], “VERITAS Detection of LS 5039 and HESS J1825-137,” *Astropart. Phys.* **117** (2020), 102403 doi:10.1016/j.astropartphys.2019.102403 [arXiv:2001.03522 [astro-ph.HE]].
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34. A. U. Abeysekara *et al.* [VERITAS], “Measurement of the extragalactic background light spectral energy distribution with VERITAS,” doi:10.3847/1538-4357/ab4817 [arXiv:1910.00451 [astro-ph.HE]].
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43. A. U. Abeysekara *et al.* [VERITAS], “VERITAS observations of the BL Lac object TXS 0506+056,” *Astrophys. J. Lett.* **861** (2018) no.2, L20 doi:10.3847/2041-8213/aad053 [arXiv:1807.04607 [astro-ph.HE]].
44. M. G. Aartsen *et al.* [IceCube, Fermi-LAT, MAGIC, AGILE, ASAS-SN, HAWC, H.E.S.S., INTEGRAL, Kanata, Kiso, Kapteyn, Liverpool Telescope, Subaru, Swift NuSTAR, VERITAS and VLA/17B-403], “Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A,” *Science* **361** (2018) no.6398, eaat1378 doi:10.1126/science.aat1378 [arXiv:1807.08816 [astro-ph.HE]].
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