

PUBLICATIONS
JONATHAN P. DUMM

PUBLICATIONS
WITH FEW
AUTHORS

1. M. D. Wood, T. Jogler, J. Dumm and S. Funk, *Monte Carlo Studies of medium-size telescope designs for the Cherenkov Telescope Array*. *Astropart. Physics* 72, 11 (2015) [arXiv:1506.07476].
2. J. Braun, M. Baker, J. Dumm, C. Finley, A. Karle, T. Montaruli. *Time-dependent point source search methods in high energy neutrino astronomy*. *Astropart. Physics* 33, 175 (2010) [arXiv:0912.1572].
3. J. Braun, J. Dumm, F. De Palma, C. Finley, A. Karle, T. Montaruli. *Methods for point source analysis in high energy neutrino telescopes*. *Astropart. Physics* 29, 299 (2008) [arXiv:0801.1604].
4. D. Horan *et al.*, *Multiwavelength Observations of Markarian 421 in 2005 - 2006*. *Astrophys. J.* 695, 596 (2009) [arXiv:0901.1225].

COLLABORATION
PUBLICATIONS
WITH ME AS
CORRESPONDING
AUTHOR

5. R. Abbasi *et al.*, *Time-Integrated Searches for Point-like Sources of Neutrinos with the 40-String IceCube Detector*. *ApJ*, 732, 18 (2011) [arXiv:1012.2137].
6. R. Abbasi *et al.*, *First Neutrino Point-Source Results From the 22-String IceCube Detector*. *Astrophys. J.* 701, L47 (2009) [arXiv:0905.2253].

CTA
PUBLICATIONS

7. B. S. Acharya *et al.*, *Introducing the CTA concept*, *Astropart. Phys.* **43**, 3 (2013).
8. A. Bulgarelli *et al.*, *The Real-Time Analysis of the Cherenkov Telescope Array Observatory*, [arXiv:1307.6489].

VERITAS
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10. E. Aliu *et al.* [VERITAS and H. E. S. S. Collaborations], *Long-term TeV and X-ray Observations of the Gamma-ray Binary HESS J0632+057*, [arXiv:1311.6083].
11. S. Archambault *et al.*, *VERITAS Observations of the Microquasar Cygnus X-3*, [arXiv:1311.0919].
12. V. A. Acciari *et al.*, *Observation of Markarian 421 in TeV gamma rays over a 14-year time span*, [arXiv:1310.8150].
13. E. Aliu *et al.*, *Multiwavelength Observations of The TeV Binary LS I +61 303 with VERITAS, Fermi-LAT and Swift-XRT During a TeV Outburst*, [arXiv:1310.7913].
14. E. Aliu *et al.*, *Long term observations of B2 1215+30 with VERITAS*, [arXiv:1310.6498].
15. E. Aliu *et al.* [The VERITAS Collaboration], *A search for enhanced very-high-energy gamma-ray emission from the March 2013 Crab Nebula flare*, [arXiv:1309.5949].
16. E. Aliu *et al.*, *Multiwavelength observations and modeling of 1ES 1959+650 in a low flux state*, *Astrophys. J.* **775**, 3 (2013) [arXiv:1307.6772].
17. E. Aliu *et al.*, *Discovery of TeV Gamma-ray Emission Toward Supernova Remnant SNR G78.2+2.1*, [arXiv:1305.6508].
18. E. Aliu *et al.*, *Discovery of TeV Gamma-ray Emission from CTA 1 by VERITAS*, *Astrophys. J.* 764, 38 (2013) [arXiv:1212.4739].

19. T. Arlen, T. Aune, M. Beilicke, W. Benbow, A. Bouvier, J. H. Buckley, V. Bugaev and A. Cesarini *et al.*, *Rapid TeV Gamma-Ray Flaring of BL Lacertae*, *Astrophys. J.* **762**, 92 (2013) [arXiv:1211.3073].
20. E. Aliu *et al.* [VERITAS Collaboration], *VERITAS Observations of Six Bright, Hard-Spectrum Fermi-LAT Blazars*, *Astrophys. J.* **759**, 102 (2012) [arXiv:1210.7224].
21. E. Aliu, S. Archambault, T. Arlen, T. Aune, M. Beilicke, W. Benbow, A. Bouvier and J. H. Buckley *et al.*, *Search for a correlation between very-high-energy gamma rays and giant radio pulses in the Crab pulsar*, *Astrophys. J.* **760**, 136 (2012) [arXiv:1210.4786].
22. T. Arlen *et al.* [Veritas Collaboration], *Constraints on Cosmic Rays, Magnetic Fields, and Dark Matter from Gamma-Ray Observations of the Coma Cluster of Galaxies with VERITAS and Fermi*, *Astrophys. J.* **757**, 123 (2012) [arXiv:1208.0676].
23. E. Aliu, S. Archambault, T. Arlen, T. Aune, M. Beilicke, W. Benbow, M. Bottcher and A. Bouvier *et al.*, *Multiwavelength observations of the AGN 1ES 0414+009 with VERITAS, fermi-LAT, swift-ZRT, and MDM*, *Astrophys. J.* **755**, 118 (2012) [arXiv:1206.4080].
24. E. Aliu, S. Archambault, T. Arlen, T. Aune, M. Beilicke, W. Benbow, A. Bouvier and S. M. Bradbury *et al.*, *VERITAS Observations of the Nova in V407 Cygni*, *Astrophys. J.* **754**, 77 (2012) [arXiv:1205.5287].
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28. M. G. Aartsen *et al.* [IceCube Collaboration], *Observation of Cosmic Ray Anisotropy with the IceTop Air Shower Array*, *Astrophys. J.* **765**, 55 (2013) [arXiv:1210.5278].
29. R. Abbasi *et al.* [IceCube Collaboration], *Search for Neutrinos from Annihilating Dark Matter in the Direction of the Galactic Center with the 40-String IceCube Neutrino Observatory*, arXiv:1210.3557 [hep-ex].
30. R. Abbasi *et al.* [IceCube Collaboration], *Searches for high-energy neutrino emission in the Galaxy with the combined IceCube-AMANDA detector*, *Astrophys. J.* **763**, 33 (2013) [arXiv:1210.3273].
31. R. Abbasi *et al.* [IceCube Collaboration], *Search for Relativistic Magnetic Monopoles with IceCube*, *Phys. Rev. D* **87**, 022001 (2013) [arXiv:1208.4861].
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33. R. Abbasi *et al.* [IceCube Collaboration], *Lateral Distribution of Muons in IceCube Cosmic Ray Events*, *Phys. Rev. D* **87**, 012005 (2013) [arXiv:1208.2979].
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40. R. Abbasi *et al.* [IceCube Collaboration], *Multi-year search for dark matter annihilations in the Sun with the AMANDA-II and IceCube detectors*, Phys. Rev. D **85**, 042002 (2012) [arXiv:1112.1840].
41. R. Abbasi *et al.* [IceCube and ROTSE Collaborations], *Searching for soft relativistic jets in Core-collapse Supernovae with the IceCube Optical Follow-up Program*, Astron. Astrophys. **539**, A60 (2012) [arXiv:1111.7030].
42. R. Abbasi *et al.* [IceCube Collaboration], *IceCube - Astrophysics and Astroparticle Physics at the South Pole*, [arXiv:1111.5188].
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44. R. Abbasi *et al.* [IceCube Collaboration], *The IceCube Neutrino Observatory IV: Searches for Dark Matter and Exotic Particles*, [arXiv:1111.2738].
45. R. Abbasi *et al.* [ICECUBE and SWIFT Collaborations], *SWIFT Follow-Up of IceCube neutrino multiplets*, [arXiv:1111.2741].
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48. R. Abbasi *et al.* [IceCube Collaboration], *Observation of an Anisotropy in the Galactic Cosmic Ray arrival direction at 400 TeV with IceCube*, Astrophys. J. **746**, 33 (2012) [arXiv:1109.1017].
49. R. Abbasi *et al.* [IceCube Collaboration], *Searches for periodic neutrino emission from binary systems with 22 and 40 strings of IceCube*, Astrophys. J. **748**, 118 (2012) [arXiv:1108.3023].
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51. R. Abbasi *et al.* [IceCube Collaboration], *Neutrino analysis of the September 2010 Crab Nebula flare and time-integrated constraints on neutrino emission from the Crab using IceCube*, Astrophys. J. **745**, 45 (2012) [arXiv:1106.3484].
52. R. Abbasi *et al.* [IceCube Collaboration], *Observation of Anisotropy in the Arrival Directions of Galactic Cosmic Rays at Multiple Angular Scales with IceCube*, Astrophys. J. **740**, 16 (2011) [arXiv:1105.2326].
53. R. Abbasi *et al.* [IceCube Collaboration], *A Search for a Diffuse Flux of Astrophysical Muon Neutrinos with the IceCube 40-String Detector*, Phys. Rev. D **84**, 082001 (2011) [arXiv:1104.5187].
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70. R. Abbasi *et al.*, *Extending the search for neutrino point sources with IceCube above the horizon*. Phys. Rev. Lett. **103**, 221102 (2009) [arXiv:0911.2338].
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2. T. Jogler, M. D. Wood and J. Dumm, A. Bouvier (for the CTA Collaboration Consortium), *Monte Carlo comparison of medium-size telescope designs for the Cherenkov Telescope Array*, In Proc. 33rd ICRC, 2013 [arXiv:1307.5905].
3. J. Dumm (for the VERITAS Collaboration), *Highlights from the VERITAS Blazar Program*, In Proc. 33rd ICRC, 2013 [arXiv:1308.0287].
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5. J. Dumm (for the VERITAS Collaboration), *VERITAS Blazar Highlights*, In Proc. 48th Rencontres de Moriond, 2013 [arXiv:1308.0287].
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7. J. Christiansen (for the VERITAS Collaboration), *Improving VERITAS Sensitivity by Fitting 2D Gaussian Image Parameters*, AIP Conf. Proc. **1505**, 709 (2012) [arXiv:1211.0254].
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10. J. Dumm and H. Landsman (for the IceCube Collaboration), *IceCube: First results*. Proceedings of TeV Particle Astrophysics II, J. Phys. Conf. Ser. **60**, 334 (2007).
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13. D. Steck, J. Capistrant, J. Dumm, E. Patton. *Indoor radon exposure uncertainties caused by temporal variation* (Poster). Proceedings of the International Radiation Protection Association 11, Madrid (2004).

WHITE PAPERS

1. J. J. Beatty *et al.*, *Snowmass Cosmic Frontiers 6 (CF6) Working Group Summary –The Bright Side of the Cosmic Frontier: Cosmic Probes of Fundamental Physics*, [arXiv:1310.5662].
2. A. Weinstein, J. Dumm, L. Fortson and R. Mukherjee, *The impact of astrophysical particle acceleration on searches for beyond-the-Standard-Model physics*, [arXiv:1305.0082].
3. J. Dumm and L. Fortson, *Gamma-ray Signatures of Ultra High Energy Cosmic Ray Line-of-sight Interactions*, [arXiv:1305.0253].