

Olivier Hervet

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Publications

Articles published in peer-reviewed journals :

Main author or major contributions:

1. **O. Hervet**, C. A. Johnson, and A. Youngquist. Bjet_mcmc: A new tool to automatically fit the broadband spectral energy distributions of blazars. *ApJ*, 962(2):140, feb 2024. <https://dx.doi.org/10.3847/1538-4357/ad09c0>
Contribution: Principal investigator
2. C. B. Adams, J. Batshoun, W. Benbow, (**O. Hervet corresponding author**), et al. Variability and Spectral Characteristics of Three Flaring Gamma-Ray Quasars Observed by VERITAS and Fermi-LAT. *ApJ*, 924(2):95, January 2022. <https://ui.adsabs.harvard.edu/abs/2022ApJ...924...95A>
Contribution: Modeling and scientific interpretation
3. G. Fichet de Clairfontaine, Z. Meliani, A. Zech, and **O. Hervet (Corresponding author)**. Flux variability from ejecta in structured relativistic jets with large-scale magnetic fields. *A&A*, 647:A77, March 2021. <https://ui.adsabs.harvard.edu/abs/2021A&A...647A...77F>
Contribution: co-designed the study, implemented the observation part, scientific interpretation
4. J. Valverde, D. Horan, D. Bernard, (**O. Hervet corresponding author**), et al. A Decade of Multiwavelength Observations of the TeV Blazar 1ES 1215+303: Extreme Shift of the Synchrotron Peak Frequency and Long-term Optical-Gamma-Ray Flux Increase. *ApJ*, 891(2):170, March 2020. <https://ui.adsabs.harvard.edu/abs/2020ApJ...891...170V>
Contribution: Modeling and scientific interpretation
5. B. Biasuzzi, **O. Hervet (Corresponding author)**, D. A. Williams, and J. Biteau. Normalization of the extragalactic background light from high-energy γ -ray observations. *A&A*, 627:A110, Jul 2019. <https://ui.adsabs.harvard.edu/abs/2019A&A...627A.110B>
Contribution: Extracted and formatted the dataset, developed a parallel analysis method to crosscheck the results
6. **O. Hervet**, D. A. Williams, A. D. Falcone, and A. Kaur. Probing an X-Ray Flare Pattern in Mrk 421 Induced by Multiple Stationary Shocks: A Solution to the Bulk Lorentz Factor Crisis. *ApJ*, 877(1):26, May 2019. <https://ui.adsabs.harvard.edu/abs/2019ApJ...877...26H>
Contribution: Principal investigator
7. A. Archer, W. Benbow, R. Bird, (**O. Hervet corresponding author**), et al. HESS J1943+213: An Extreme Blazar Shining through the Galactic Plane. *ApJ*, 862:41, July 2018. <http://adsabs.harvard.edu/abs/2018ApJ...862...41A>
Contribution: Modeling and scientific interpretation
8. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, (**O. Hervet corresponding author**), et al. H.E.S.S. discovery of very high energy γ -ray emission from PKS 0625-354. *MNRAS*, 476:4187–4198, May 2018. <http://adsabs.harvard.edu/abs/2018MNRAS.476.4187H>
Contribution: Modeling and scientific interpretation
9. A. U. Abeysekara, W. Benbow, R. Bird, (**O. Hervet corresponding author**), et al. Multiwavelength Observations of the Blazar BL Lacertae: A New Fast TeV Gamma-Ray Flare. *ApJ*, 856:95, April 2018. <http://adsabs.harvard.edu/abs/2018ApJ...856...95A>
Contribution: Scientific interpretation
10. **O. Hervet**, Z. Meliani, A. Zech, et al. Shocks in relativistic transverse stratified jets. A new paradigm for radio-loud AGN. *A&A*, 606:A103, October 2017. <https://ui.adsabs.harvard.edu/abs/2017A&A...606A.103H>
Contribution: Principal investigator

11. J. L. Dournaux, A. De Franco, Laporte, (including O. Hervet), et al. Operating performance of the gamma-ray Cherenkov telescope: An end-to-end Schwarzschild-Couder telescope prototype for the Cherenkov Telescope Array. *Nuclear Instruments and Methods in Physics Research A*, 845:355–358, February 2017. <http://adsabs.harvard.edu/abs/2017NIMPA.845..355D>
Contribution: Tested the telescope design and performances with simulations
12. O. Hervet, C. Boisson, and H. Sol. An innovative blazar classification based on radio jet kinematics. *A&A*, 592:A22, July 2016. <https://ui.adsabs.harvard.edu/abs/2016A&A...592A..22H>
Contribution: Principal investigator
13. O. Hervet, C. Boisson, and H. Sol. Linking radio and gamma-ray emission in Ap Librae. *A&A*, 578:A69, June 2015. <https://ui.adsabs.harvard.edu/abs/2015A&A...578A..69H>
Contribution: Principal investigator

Co-author of VERITAS publications, internal referee and/or minor contributions:

1. I. Pope, K. Mori, M. Abdelmaguid, et al. A Multiwavelength Investigation of PSR J2229+6114 and its Pulsar Wind Nebula in the Radio, X-Ray, and Gamma-Ray Bands. *ApJ*, 960(1):75, January 2024. <https://ui.adsabs.harvard.edu/abs/2024ApJ...960...75P>
2. A. Acharyya, C. B. Adams, A. Archer, et al. Multiwavelength Observations of the Blazar PKS 0735+178 in Spatial and Temporal Coincidence with an Astrophysical Neutrino Candidate IceCube-211208A. *ApJ*, 954(1):70, September 2023. <https://ui.adsabs.harvard.edu/abs/2023ApJ...954...70A>
3. A. Acharyya, C. B. Adams, A. Archer, et al. A VERITAS/Breakthrough Listen Search for Optical Technosignatures. *AJ*, 166(3):84, September 2023. <https://ui.adsabs.harvard.edu/abs/2023AJ...166...84A>
4. A. Acharyya, C. B. Adams, A. Archer, et al. VERITAS Discovery of Very High Energy Gamma-Ray Emission from S3 1227+25 and Multiwavelength Observations. *ApJ*, 950(2):152, June 2023. <https://ui.adsabs.harvard.edu/abs/2023ApJ...950...152A>
5. A. Acharyya, A. Archer, P. Bangale, et al. Search for Ultraheavy Dark Matter from Observations of Dwarf Spheroidal Galaxies with VERITAS. *ApJ*, 945(2):101, March 2023. <https://ui.adsabs.harvard.edu/abs/2023ApJ...945..101A>
6. A. Acharyya, C. B. Adams, P. Bangale, et al. VERITAS and Fermi-LAT Constraints on the Gamma-Ray Emission from Superluminous Supernovae SN2015bn and SN2017egm. *ApJ*, 945(1):30, March 2023. <https://ui.adsabs.harvard.edu/abs/2023ApJ...945...30A>
7. A. Acharyya, C. B. Adams, A. Archer, et al. VTSCat: The VERITAS Catalog of Gamma-Ray Observations. *Research Notes of the American Astronomical Society*, 7(1):6, January 2023. <https://ui.adsabs.harvard.edu/abs/2023RNAAS...7...6A>
8. H. Abe, S. Abe, V. A. Acciari, et al. Gamma-ray observations of MAXI J1820+070 during the 2018 outburst. *MNRAS*, September 2022. <https://ui.adsabs.harvard.edu/abs/2022MNRAS.tmp.2500A>
9. C. B. Adams, P. Batista, W. Benbow, et al. Multiwavelength Observations of the Blazar VER J0521+211 during an Elevated TeV Gamma-Ray State. *ApJ*, 932(2):129, June 2022. <https://ui.adsabs.harvard.edu/abs/2022ApJ...932..129A>
10. C. B. Adams, W. Benbow, A. Brill, et al. The throughput calibration of the VERITAS telescopes. *A&A*, 658:A83, February 2022. <https://ui.adsabs.harvard.edu/abs/2022A&A...658A..83A>
11. Y. M. Tokayer, H. An, J. P. Halpern, et al. Multiwavelength Observation Campaign of the TeV Gamma-Ray Binary HESS J0632 + 057 with NuSTAR, VERITAS, MDM, and Swift. *ApJ*, 923(1):17, December 2021. <https://ui.adsabs.harvard.edu/abs/2021ApJ...923...17T>
12. C. B. Adams, W. Benbow, A. Brill, et al. An Archival Search for Neutron-star Mergers in Gravitational Waves and Very-high-energy Gamma Rays. *ApJ*, 918(2):66, September 2021. <https://ui.adsabs.harvard.edu/abs/2021ApJ...918...66A>
13. W. Benbow, A. Brill, J. H. Buckley, et al. A Search for TeV Gamma-Ray Emission from Pulsar Tails by VERITAS. *ApJ*, 916(2):117, August 2021. <https://ui.adsabs.harvard.edu/abs/2021ApJ...916..117B>

14. C. B. Adams, W. Benbow, A. Brill, et al. VERITAS Observations of the Galactic Center Region at Multi-TeV Gamma-Ray Energies. *ApJ*, 913(2):115, June 2021. <https://ui.adsabs.harvard.edu/abs/2021ApJ...913..115A>
15. EHT MWL Science Working Group, J. C. Algaba, J. Anzarski, and other. Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. *ApJL*, 911(1):L11, April 2021. <https://ui.adsabs.harvard.edu/abs/2021ApJ...911L..11E>
16. A. Archer, W. Benbow, R. Bird, et al. VERITAS Discovery of VHE Emission from the Radio Galaxy 3C 264: A Multiwavelength Study. *ApJ*, 896(1):41, June 2020. <https://ui.adsabs.harvard.edu/abs/2020ApJ...896..41A>
17. A. U. Abeysekara, A. Archer, W. Benbow, et al. Evidence for Proton Acceleration up to TeV Energies Based on VERITAS and Fermi-LAT Observations of the Cas A SNR. *ApJ*, 894(1):51, May 2020. <https://ui.adsabs.harvard.edu/abs/2020ApJ...894...51A>
18. A. U. Abeysekara, W. Benbow, R. Bird, et al. The Great Markarian 421 Flare of 2010 February: Multiwavelength Variability and Correlation Studies. *ApJ*, 890(2):97, February 2020. <https://ui.adsabs.harvard.edu/abs/2020ApJ...890...97A>
19. A. Archer, W. Benbow, R. Bird, et al. Probing the Properties of the Pulsar Wind in the Gamma-Ray Binary HESS J0632+057 with NuSTAR and VERITAS Observations. *ApJ*, 888(2):115, Jan 2020. <https://ui.adsabs.harvard.edu/abs/2020ApJ...888..115A>
20. A. U. Abeysekara, W. Benbow, R. Bird, et al. VERITAS Detection of LS 5039 and HESS J1825-137. *Astroparticle Physics*, 117:102403, Jan 2020. <https://ui.adsabs.harvard.edu/abs/2020APh...11702403A>
21. A. U. Abeysekara, A. Archer, W. Benbow, et al. Measurement of the Extragalactic Background Light Spectral Energy Distribution with VERITAS. *ApJ*, 885(2):150, Nov 2019. <https://ui.adsabs.harvard.edu/abs/2019ApJ...885..150A>
22. A. Archer, W. Benbow, R. Bird, et al. A Search for Pulsed Very High-energy Gamma-Rays from 13 Young Pulsars in Archival VERITAS Data. *ApJ*, 876(2):95, May 2019. <https://ui.adsabs.harvard.edu/abs/2019ApJ...876..95A>
23. M. L. Ahnen, S. Ansoldi, L. A. Antonelli, et al. Extreme HBL behavior of Markarian 501 during 2012. *A&A*, 620:A181, Dec 2018. <https://ui.adsabs.harvard.edu/abs/2018A&A...620A.181A>
24. IceCube Collaboration, M. G. Aartsen, M. Ackermann, et al. Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. *Science*, 361:eaat1378, July 2018. <http://adsabs.harvard.edu/abs/2018Sci...361.1378I>
25. A. U. Abeysekara, A. Archer, T. Aune, et al. A Very High Energy γ -Ray Survey toward the Cygnus Region of the Galaxy. *ApJ*, 861:134, July 2018. <http://adsabs.harvard.edu/abs/2018ApJ...861..134A>
26. A. U. Abeysekara, A. Archer, W. Benbow, et al. VERITAS Observations of the BL Lac Object TXS 0506+056. *ApJL*, 861:L20, July 2018. <http://adsabs.harvard.edu/abs/2018ApJ...861L..20A>
27. A. U. Abeysekara, W. Benbow, R. Bird, et al. Periastron Observations of TeV Gamma-Ray Emission from a Binary System with a 50-year Period. *ApJL*, 867:L19, November 2018. <http://adsabs.harvard.edu/abs/2018ApJ...867L..19A>
28. A. U. Abeysekara, A. Archer, W. Benbow, et al. VERITAS and Fermi-LAT Observations of TeV Gamma-Ray Sources Discovered by HAWC in the 2HWC Catalog. *ApJ*, 866:24, October 2018. <http://adsabs.harvard.edu/abs/2018ApJ...866...24A>
29. A. Archer, W. Benbow, R. Bird, et al. Measurement of cosmic-ray electrons at TeV energies by VERITAS. *PhRvD*, 98(6):062004, September 2018. <http://adsabs.harvard.edu/abs/2018PhRvD...98f2004A>
30. A. Archer, W. Benbow, R. Bird, et al. Measurement of the iron spectrum in cosmic rays by VERITAS. *PhRvD*, 98(2):022009, July 2018. <http://adsabs.harvard.edu/abs/2018PhRvD...98b2009A>
31. A. U. Abeysekara, A. Archer, W. Benbow, et al. A Strong Limit on the Very-high-energy Emission from GRB 150323A. *ApJ*, 857:33, April 2018. <http://adsabs.harvard.edu/abs/2018ApJ...857...33A>

32. A. U. Abeysekara, S. Archambault, A. Archer, et al. Discovery of Very-high-energy Emission from RGB J2243+203 and Derivation of Its Redshift Upper Limit. *ApJS*, 233:7, November 2017. <http://adsabs.harvard.edu/abs/2017ApJS...233...7A>
33. Icecube Collaboration, M. G. Aartsen, M. Ackermann, J. Adams, et al. Multiwavelength follow-up of a rare IceCube neutrino multiplet. *A&A*, 607:A115, November 2017. <https://ui.adsabs.harvard.edu/abs/2017A&A...607A.115I>
34. C. Allen, S. Archambault, Archer, et al. Very-High-Energy γ -Ray Observations of the Blazar 1ES 2344+514 with VERITAS. *MNRAS*, 471:2117–2123, October 2017. <http://adsabs.harvard.edu/abs/2017MNRAS.471.2117A>
35. S. Archambault, A. Archer, Benbow, et al. Gamma-ray observations under bright moonlight with VERITAS. *Astroparticle Physics*, 91:34–43, May 2017. <http://adsabs.harvard.edu/abs/2017APh...91...34A>
36. S. Archambault, A. Archer, Benbow, et al. Dark matter constraints from a joint analysis of dwarf Spheroidal galaxy observations with VERITAS. *PhysRevD*, 95(8):082001, April 2017. <http://adsabs.harvard.edu/abs/2017PhRvD...95h2001A>
37. S. Archambault, A. Archer, Benbow, et al. Search for Magnetically Broadened Cascade Emission from Blazars with VERITAS. *ApJ*, 835:288, February 2017. <http://adsabs.harvard.edu/abs/2017ApJ...835..288A>
38. A. U. Abeysekara, S. Archambault, A. Archer, et al. A Search for Spectral Hysteresis and Energy-dependent Time Lags from X-Ray and TeV Gamma-Ray Observations of Mrk 421. *ApJ*, 834:2, January 2017. <http://adsabs.harvard.edu/abs/2017ApJ...834...2A>
39. ICECUBE, MAGIC, and VERITAS Collaboration. Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube. *Journal of Instrumentation*, 11:P11009, November 2016. <http://adsabs.harvard.edu/abs/2016JInst...1111009>
40. A. Archer, W. Benbow, R. Bird, et al. Very High Energy Observations of the Binaries V 404 Cyg and 4U 0115+634 during Giant X-Ray Outbursts. *ApJ*, 831:113, November 2016. <http://adsabs.harvard.edu/abs/2016ApJ...831..113A>

Co-author of H.E.S.S. publications, internal referee and/or minor contributions:

1. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, et al. H.E.S.S. observations of RX J1713.7-3946 with improved angular and spectral resolution: Evidence for gamma-ray emission extending beyond the X-ray emitting shell. *A&A*, 612:A6, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...6H>
2. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, et al. The population of TeV pulsar wind nebulae in the H.E.S.S. Galactic Plane Survey. *A&A*, 612:A2, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...2H>
3. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, et al. The supernova remnant W49B as seen with H.E.S.S. and Fermi-LAT. *A&A*, 612:A5, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...5H>
4. H.E.S.S. Collaboration, A. Abramowski, F. Aharonian, et al. Detailed spectral and morphological analysis of the shell type supernova remnant RCW 86. *A&A*, 612:A4, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...4H>
5. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, et al. Systematic search for very-high-energy gamma-ray emission from bow shocks of runaway stars. *A&A*, 612:A12, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...12H>
6. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, et al. Deeper H.E.S.S. observations of Vela Junior (RX J0852.0-4622): Morphology studies and resolved spectroscopy. *A&A*, 612:A7, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...7H>
7. MAGIC Collaboration, M. L. Ahnen, S. Ansoldi, et al. Constraints on particle acceleration in SS433/W50 from MAGIC and H.E.S.S. observations. *A&A*, 612:A14, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...14M>
8. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, et al. Extended VHE γ -ray emission towards SGR1806-20, LBV 1806-20, and stellar cluster Cl* 1806-20. *A&A*, 612:A11, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...11H>

9. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, et al. A search for new supernova remnant shells in the Galactic plane with H.E.S.S. *A&A*, 612:A8, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...8H>
10. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, et al. A search for very high-energy flares from the microquasars GRS 1915+105, Circinus X-1, and V4641 Sgr using contemporaneous H.E.S.S. and RXTE observations. *A&A*, 612:A10, April 2018. <http://adsabs.harvard.edu/abs/2018A&A...612A...10H>
11. E. Petroff, S. Burke-Spolaor, E. F. Keane, M. A. McLaughlin, R. Miller, I. Andreoni, M. Bailes, E. D. Barr, S. R. Bernard, S. Bhandari, et al. A polarized fast radio burst at low Galactic latitude. *MNRAS*, 469:4465–4482, August 2017. <http://adsabs.harvard.edu/abs/2017MNRAS.469.4465P>
12. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, Aharonian, et al. Gamma-ray blazar spectra with H.E.S.S. II mono analysis: The case of PKS 2155-304 and PG 1553+113. *A&A*, 600:A89, April 2017. <http://adsabs.harvard.edu/abs/2017A&A...600A...89H>
13. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, T. Andersson, E. O. Angüner, M. Arrieta, P. Aubert, et al. Characterizing the γ -ray long-term variability of PKS 2155-304 with H.E.S.S. and Fermi-LAT. *A&A*, 598:A39, February 2017. <http://adsabs.harvard.edu/abs/2017A&A...598A...39H>
14. H.E.S.S. Collaboration, H. Abdalla, A. Abramowski, F. Aharonian, F. Ait Benkhali, A. G. Akhperjanian, T. Andersson, E. O. Angüner, M. Arakawa, M. Arrieta, et al. First limits on the very-high energy gamma-ray afterglow emission of a fast radio burst. H.E.S.S. observations of FRB 150418. *A&A*, 597:A115, January 2017. <http://adsabs.harvard.edu/abs/2017A&A...597A.115H>
15. H. Abdalla, A. Abramowski, F. Aharonian, et al. H.E.S.S. Limits on Linelike Dark Matter Signatures in the 100 GeV to 2 TeV Energy Range Close to the Galactic Center. *Physical Review Letters*, 117(15):151302, October 2016. <http://adsabs.harvard.edu/abs/2016PhRvL.117o1302A>
16. H. Abdallah, A. Abramowski, F. Aharonian, et al. Search for Dark Matter Annihilations towards the Inner Galactic Halo from 10 Years of Observations with H.E.S.S. *Physical Review Letters*, 117(11):111301, September 2016. <http://adsabs.harvard.edu/abs/2016PhRvL.117k1301A>
17. HESS Collaboration, A. Abramowski, F. Aharonian, F. A. Benkhali, et al. Acceleration of petaelectronvolt protons in the Galactic Centre. *Nat*, 531:476–479, March 2016. <http://adsabs.harvard.edu/abs/2016Natur.531...476H>
18. H. E. S. S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, , et al. H.E.S.S. detection of TeV emission from the interaction region between the supernova remnant G349.7+0.2 and a molecular cloud (Corrigendum). *A&A*, 580:C1, August 2015. <http://adsabs.harvard.edu/abs/2015A&A...580C...1H>
19. H. E. S. S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, , et al. Discovery of variable VHE γ -ray emission from the binary system 1FGL J1018.6-5856. *A&A*, 577:A131, May 2015. <http://adsabs.harvard.edu/abs/2015A&A...577A.131H>
20. A. Abramowski, F. Aharonian, F. Ait Benkhali, et al. The 2012 Flare of PG 1553+113 Seen with H.E.S.S. and Fermi-LAT. *ApJ*, 802:65, March 2015. <http://adsabs.harvard.edu/abs/2015ApJ...802...65A>
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22. A. Abramowski, F. Aharonian, F. Ait Benkhali, et al. Constraints on an Annihilation Signal from a Core of Constant Dark Matter Density around the Milky Way Center with H.E.S.S. *Physical Review Letters*, 114(8):081301, February 2015. <http://adsabs.harvard.edu/abs/2015PhRvL.114h1301A>
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24. H.E.S.S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, et al. The exceptionally powerful TeV γ -ray emitters in the Large Magellanic Cloud. *Science*, 347:406–412, January 2015. <http://adsabs.harvard.edu/abs/2015Sci...347...406H>

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26. H. E. S. S. Collaboration, A. Abramowski, F. Aharonian, F. Ait Benkhali, et al. H.E.S.S. detection of TeV emission from the interaction region between the supernova remnant G349.7+0.2 and a molecular cloud. *A&A*, 574:A100, January 2015. <http://adsabs.harvard.edu/abs/2015A&A...574A.100H>
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29. A. Abramowski, F. Aharonian, F. Ait Benkhali, et al. Search for dark matter annihilation signatures in H.E.S.S. observations of dwarf spheroidal galaxies. *PRD*, 90(11):112012, December 2014. <http://adsabs.harvard.edu/abs/2014PhRvD...90k2012A>
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7. C. B. Adams, R. Alfaro, G. Ambrosi, et al. Detection of the Crab Nebula with the 9.7 m prototype Schwarzschild-Couder telescope. *Astroparticle Physics*, 128:102562, March 2021. <https://ui.adsabs.harvard.edu/abs/2021APh...12802562A>
8. H. Abdalla, H. Abe, F. Acero, et al. Sensitivity of the Cherenkov Telescope Array for probing cosmology and fundamental physics with gamma-ray propagation. *JCAP*, 2021(2):048, February 2021. <https://ui.adsabs.harvard.edu/abs/2021JCAP...02..048A>
9. C. Adams, G. Ambrosi, M. Ambrosio, et al. Status of the development of NUV SiPMs for INFN optical modules for the SCT medium sized telescope proposed for the CTA observatory. *Nuclear Instruments and Methods in Physics Research A*, 982:164486, December 2020. <https://ui.adsabs.harvard.edu/abs/2020NIMPA.98264486A>
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Proceedings :

Co-author of VERITAS proceedings, internal referee and/or minor contributions:

1. A. Acharyya, C. B. Adams, A. Archer, et al. VERITAS contributions to the 38th International Cosmic Ray Conference. *arXiv e-prints*, page arXiv:2312.07774, December 2023. <https://ui.adsabs.harvard.edu/abs/2023arXiv231207774A>
2. C. B. Adams, A. Archer, W. Benbow, et al. VERITAS contributions to the 37th International Cosmic Ray Conference. *arXiv e-prints*, page arXiv:2109.05119, September 2021. <https://ui.adsabs.harvard.edu/abs/2021arXiv210905119A>
3. A. U. Abeysekara, A. Archer, W. Benbow, et al. VERITAS contributions to the 36th International Cosmic Ray Conference. *arXiv e-prints*, page arXiv:1909.08114, Sep 2019. <https://ui.adsabs.harvard.edu/abs/2019arXiv190908114A>

Contribution to the CTA project:

1. B. Mode, C. Adams, G. Ambrosi, et al. Detection of the Crab Nebula by the prototype Schwarzschild-Couder Telescope. In *37th International Cosmic Ray Conference. 12-23 July 2021. Berlin*, page 830, March 2022. <https://ui.adsabs.harvard.edu/abs/2022icrc.confE.830M>
2. R. Zanin, H. Abdalla, H. Abe, et al. CTA – the World’s largest ground-based gamma-ray observatory. In *37th International Cosmic Ray Conference. 12-23 July 2021. Berlin*, page 5, March 2022. <https://ui.adsabs.harvard.edu/abs/2022icrc.confE...5Z>
3. D. Ribeiro, C. Adams, G. Ambrosi, et al. Prototype Schwarzschild-Couder Telescope for the Cherenkov Telescope Array: Commissioning the Optical System. In *37th International Cosmic Ray Conference. 12-23 July 2021. Berlin*, page 717, March 2022. <https://ui.adsabs.harvard.edu/abs/2022icrc.confE.717R>
4. E. Kasai, P. Goldoni, M. Backes, G. Cotter, S. Pita, C. Boisson, D. A. Williams, F D’Ammando, E. Lindfors, U. Barres de Almeida, W. Max-Moerbeck, V. Navarro-Aranguiz, J. Becerra-Gonzalez, O. Hervet, J. P. Lenain, H. Sol, and S. Wagner. Southern African Large Telescope Spectroscopy of BL Lacs for the CTA project. *arXiv e-prints*, page arXiv:2108.04917, August 2021. <https://ui.adsabs.harvard.edu/abs/2021arXiv210804917K>
5. C. B. Adams, G. Ambrosi, M. Ambrosio, et al. Technical and scientific performance of the prototype Schwarzschild-Couder telescope for CTA. volume 11820 of *SPIE Conference Series*, page 118200E, August 2021. <https://ui.adsabs.harvard.edu/abs/2021SPIE11820E..0EA>
6. C. Adams, R. Alfaro, G. Ambrosi, et al. Alignment of the optical system of the 9.7-m prototype Schwarzschild-Couder Telescope. volume 11445 of *SPIE Conference Series*, page 114456A, December 2020. <https://ui.adsabs.harvard.edu/abs/2020SPIE11445E..6AA>
7. C. Adams, R. Alfaro, G. Ambrosi, et al. Verification of the optical system of the 9.7-m prototype Schwarzschild-Couder Telescope. In *Optical System Alignment, Tolerancing, and Verification XIII*, volume 11488 of *SPIE Conference Series*, page 1148805, August 2020. <https://ui.adsabs.harvard.edu/abs/2020SPIE11488E..05A>
8. C. Adams, G. Ambrosi, M. Ambrosio, et al. Characterization and assembly of near-ultraviolet SiPMs for the Schwarzschild-Couder medium-size telescope proposed for the CTA Observatory. volume 11114 of *SPIE Conference Series*, page 111140D, October 2019. <https://ui.adsabs.harvard.edu/abs/2019SPIE11114E..0DA>
9. C. Adams, G. Ambrosi, M. Ambrosio, et al. Camera design and performance of the prototype Schwarzschild-Couder Telescope for the Cherenkov Telescope Array. *arXiv e-prints*, page arXiv:1910.00133, Sep 2019. <https://ui.adsabs.harvard.edu/abs/2019arXiv191000133A>
10. C. Adams, G. Ambrosi, M. Ambrosio, et al. Development and operations of INFN optical modules for the SCT Telescope camera proposed for the Cherenkov Telescope Array Observatory. *arXiv e-prints*, page arXiv:1909.08361, Sep 2019. <https://ui.adsabs.harvard.edu/abs/2019arXiv190908361A>
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12. L. Tibaldo, A. Abchiche, Allan, et al. The gamma-ray Cherenkov telescope for the Cherenkov telescope array. In *6th International Symposium on High Energy Gamma-Ray Astronomy*, volume 1792 of *American Institute of Physics Conference Series*, page 080004, January 2017. <http://adsabs.harvard.edu/abs/2017AIPC.1792h0004T>
13. J. L. Dournaux, A. Abchiche, D. Allan, et al. The Gamma-ray Cherenkov Telescope, an end-to end Schwarzschild-Couder telescope prototype proposed for the Cherenkov Telescope Array. volume 9908 of *SPIE*, page 990848, August 2016. <http://adsabs.harvard.edu/abs/2016SPIE.9908E..48D>
14. A. Abchiche et al. Contributions of the Cherenkov Telescope Array (CTA) to the 6th International Symposium on High-Energy Gamma-Ray Astronomy (Gamma 2016). In *6th International Symposium on High-Energy Gamma-Ray Astronomy (Gamma 2016) Heidelberg, Germany, July 11-15, 2016*, 2016
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16. J. J. Watson et al. Inauguration and First Light of the GCT-M Prototype for the Cherenkov Telescope Array. In *6th International Symposium on High-Energy Gamma-Ray Astronomy (Gamma 2016) Heidelberg, Germany, July 11-15, 2016*, 2016
17. A. M. Brown, A. Abchiche, D. Allan, et al. The GCT camera for the Cherenkov Telescope Array. volume 9906 of *SPIE Conference Series*, page 99065K, July 2016. <http://adsabs.harvard.edu/abs/2016SPIE.9906E..5KB>
18. Giovanni Pareschi et al. The dual-mirror Small Size Telescope for the Cherenkov Telescope Array. In *Proceedings, 33rd International Cosmic Ray Conference (ICRC2013): Rio de Janeiro, Brazil, July 2-9, 2013*, page 0466, 2013
19. Andreas Zech et al. SST-GATE: A dual mirror telescope for the Cherenkov Telescope Array. In *Proceedings, 33rd International Cosmic Ray Conference (ICRC2013): Rio de Janeiro, Brazil, July 2-9, 2013*, page 0060, 2013
20. O. Abril et al. CTA contributions to the 33rd International Cosmic Ray Conference (ICRC2013). In *Proceedings, 33rd International Cosmic Ray Conference (ICRC2013): Rio de Janeiro, Brazil, July 2-9, 2013*, 2013
21. P. Laporte, J.-L. Dournaux, H. Sol, et al. SST-GATE: an innovative telescope for very high energy astronomy. In *Ground-based and Airborne Telescopes IV*, volume 8444 of *SPIE*, page 84443A, September 2012. <http://adsabs.harvard.edu/abs/2012SPIE.8444E..3AL>

Others:

1. N. Korzoun, W. Benbow, A. Brown, et al. PeV Gamma-ray Astronomy With Panoramic Optical SETI Telescopes. In *Proceedings of 38th International Cosmic Ray Conference – PoS(ICRC2023)*, volume 444, page 787, 2023. <https://doi.org/10.22323/1.444.0787>
2. J. Hessdoerfer, M. Kadler, P. Benke, et al. TELAMON: Effelsberg Monitoring of AGN Jets with Very-High-Energy Astroparticle Emissions - Polarization properties. In *Proceedings of 38th International Cosmic Ray Conference – PoS(ICRC2023)*, volume 444, page 1545, 2023. <https://doi.org/10.22323/1.444.1545>
3. L. Gréaux, J. Biteau, T. Hassan, et al. STeVECat, the Spectral TeV Extragalactic Catalog. *arXiv e-prints*, page arXiv:2304.00835, April 2023. <https://ui.adsabs.harvard.edu/abs/2023arXiv230400835G>
4. J. Maire, Shelley A. Wright, J. Holder, et al. Panoramic SETI: program update and high-energy astrophysics applications. In Christopher J. Evans, Julia J. Bryant, and Kentaro Motohara, editors, *Ground-based and Airborne Instrumentation for Astronomy IX*, volume 12184 of *SPIE Conference Series*, page 121848B, August 2022. <https://ui.adsabs.harvard.edu/abs/2022SPIE12184E..8BM>
5. M. Kadler, U. Bach, D. Berge, et al. TELAMON: Monitoring of AGN with the Effelsberg 100-m Telescope in the Context of Astroparticle Physics. In *37th International Cosmic Ray Conference. 12-23 July 2021. Berlin*, page 974, March 2022. <https://ui.adsabs.harvard.edu/abs/2022icrc.confE.974K>
6. E. K. Kasai, P. Goldoni, M. Backes, et al. Southern African Large Telescope Spectroscopy of BL Lacs for the CTA project. In *37th International Cosmic Ray Conference. 12-23 July 2021. Berlin*, page 881, March 2022. <https://ui.adsabs.harvard.edu/abs/2022icrc.confE.881K>
7. The MAGIC Collaboration, The Ovro 40-M Collaboration, Telamon, et al. Multi-epoch monitoring of TXS 0506+056 with MAGIC and MWL partners. In *37th International Cosmic Ray Conference. 12-23 July 2021. Berlin*, page 875, March 2022. <https://ui.adsabs.harvard.edu/abs/2022icrc.confE.875T>
8. M. Kadler, U. Bach, D. Berge, et al. TELAMON: Effelsberg Monitoring of AGN Jets with Very-High-Energy Astroparticle Emissions. In *Proceedings of 37th International Cosmic Ray Conference – PoS(ICRC2021)*, volume 395, page 974, August 2021
9. B. Biasuzzi, J. Biteau, O. Hervet, and D. A. Williams. Constraining the EBL with the 3FHL Fermi data. In *SF2A-2017: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics*, pages 155–159, December 2017. <http://adsabs.harvard.edu/abs/2017sf2a.conf..155B>
10. Z. Meliani and O. Hervet. Knots in Relativistic Transverse Stratified Jets. *Galaxies*, 5:50, September 2017. <http://adsabs.harvard.edu/abs/2017Galax...5...50M>
11. Michal Dyrda, Alicja Wierzcholska, Olivier Hervet, et al. Discovery of VHE gamma-rays from the radio galaxy PKS 0625-354 with H.E.S.S. *PoS, ICRC2015:801*, 2016

Talks & posters at international conferences, Colloquia, and seminars

Not including collaboration meetings of CTA, VERITAS, and HESS.

Invited:

1. How, when, and where jetted AGN emit gamma rays? A shocking scenario, *MfA Colloquium*, March 2023, Minneapolis, MN, USA.
2. Updating the unification of jetted AGN, *LLR Seminar*, October 2020, Saclay, France. (remote)
3. Jet structure and variability of TeV high-frequency peaked blazars, towards a scenario of successive recollimation shocks, *KIPAC Tea*, May 2020, Stanford, CA, USA. (remote)
4. Updating the unification of jetted AGN, *MPIfR Colloquium*, April 2020, Bonn, Germany. (remote)
5. Updating the unification of jetted AGN, *APC Seminar*, April 2020, Paris, France. (remote)
6. Updating the unification of jetted AGN, *FLASH Seminar*, January 2020, UC Santa Cruz, CA, USA.
7. Linking high-energy emission with radio-VLBI jets, *Simulating the evolution and emission of relativistic outflows workshop*, November 2019, Meudon, France
8. Quick overview on blazar science with IACTs, a promising future with CTA, *MWL Blazar variability workshop*, August 2019, Stanford, CA, USA.
9. Recent highlights from VERITAS, *31st Rencontres de Blois*, June 2019, Blois, France.
10. Linking structure and kinematics of AGN jets with their non-thermal emission, *LAB Seminar*, May 2019, Bordeaux, France.
11. Toward an unification of structure and kinematics of AGN jets with their non-thermal emission, *DESY Astroparticle Seminar*, May 2019, Zeuthen, Germany.
12. An evolving paradigm of radio-loud AGN structures, *LUTH seminar*, April 2017, Meudon, France.
13. Radio-loud AGN: from radio to gamma-rays, *Workshop CTA-ALMA/NOEMA*, September 2015, Paris, France.

Contributor:

1. The first skymap of the extragalactic background light from gamma-ray spectra, a new window on cosmological anisotropies, *ICRC 2023*, July 2023, Nagoya, Japan.
2. Bjet_MCMC: A new tool to automatically fit the broadband SEDs of blazars, *ICRC 2023*, July 2023, Nagoya, Japan. (Poster)
3. AGN at very high energies: recent highlights from VERITAS, *IAU 375 Symposium*, December 2022, Kathmandu, Nepal.
4. A multiwavelength look at the 2017 flare of OJ 287, *gamma2022*, July 2022, Barcelona, Spain.
5. Looking for a repeating flaring pattern in Markarian 421, from X-ray to gamma ray, *gamma2022*, July 2022, Barcelona, Spain. (Poster)
6. TeV flares of radiogalaxies, the case of the great flare of NGC 1275 on Jan 1st 2017, *Jets2021*, June 2021, Heidelberg, Germany. (remote)
7. Deciphering the 2017 soft X-ray flare of OJ 287, a radio-to-TeV study, *Jets2021*, June 2021, Heidelberg, Germany. (Poster, remote)
8. Signatures of recollimation shocks in blazars, focus on Mrk 421, *SF2A*, May 2019, Nice, France.
9. Probing an X-ray signature of multiple recollimation shocks in the blazar Mrk 421, *HEAD 17th Meeting*, March 2019, Monterey, CA, USA. (Poster)
10. Stationary shocks in TeV HBLs, a solution to the bulk Lorentz factor crisis, *EXtreme19*, January 2019, Padova, Italy.
11. Shocks in AGN jets, An improving scheme from radio to high energy, *EWASS 2018*, April 2018, Liverpool, United Kingdom.

12. Hunting shocks in AGN jets, *29th Texas symposium*, December 2017, Cape Town, South Africa.
13. Latest highlights of extragalactic science with VERITAS, *29th Texas symposium*, December 2017, Cape Town, South Africa.
14. Shocks in relativistic transverse stratified jets, a new paradigm for radio-loud AGN, *EWASS 2017*, June 2017, Prague, Czech Republic. (Poster)
15. Radio-loud AGN: The great winners of CTA-SKA synergies, *EWASS 2017*, June 2017, Prague, Czech Republic.
16. The relevance of a blazar kinematical classification, *Blazars through Sharp Multi-Wavelength Eyes*, May 2016, Malaga, Spain. (Poster)
17. A new look at the multi-wavelength SED of TeV LSP and ISP BL Lacs, *Sixth International Fermi Symposium*, November 2015, Washington D.C., USA.
18. Recent AGN results from H.E.S.S.(for the H.E.S.S. Consortium), *Relativistic jets conference*, April 2015, Krakow, Poland.
19. Beyond the blazar dichotomy: A study of Ap Librae, *Relativistic jets conference*, April 2015, Krakow, Poland. (Poster)
20. Beyond the blazar dichotomy, *ELBERETH conference*, December 2014, Paris, France.
21. Modelling of SSC and External photon field for LBLs & IBLs, *Extragalactic Gamma-ray Astronomy for CTA (EGA) meeting*, March 2013, Muonio, Finland.