

Personal Information

Email: tergin@metu.edu.tr

Web: <https://avesis.metu.edu.tr/tergin>

International Researcher IDs

ScholarID: 8pJyfYEAAAAJ

ORCID: 0000-0003-2423-4656

Publons / Web Of Science ResearcherID: AAQ-1106-2021

ScopusID: 35308795200

Research Areas

Physics, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The expected potential of hadronic PeVatron searches with spectral γ -ray data from the Southern Wide-field Gamma-ray Observatory**
Angner E. O., Ergin T.
Astroparticle Physics, vol.158, 2024 (SCI-Expanded)
- II. **Suzaku and Fermi view of the supernova remnant 3C 396**
Sezer A., Ergin T., Cesur N., Tanaka S. J., Kisaka S., Mira Y., Yamazaki R.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.492, no.1, pp.1484-1491, 2020 (SCI-Expanded)
- III. **Discovery of recombining plasma inside the extended gamma-ray supernova remnant HB9**
Sezer A., Ergin T., Yamazaki R., Sano H., Fukui Y.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.489, no.3, pp.4300-4310, 2019 (SCI-Expanded)
- IV. **A Suzaku X-ray study of the mixed-morphology supernova remnant Kes 69 and searching for its gamma-ray counterpart**
Sezer A., Ergin T., Yamazaki R., Ohira Y., Cesur N.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.481, no.1, pp.1416-1425, 2018 (SCI-Expanded)
- V. **Recombining Plasma and Gamma-Ray Emission in the Mixed-morphology Supernova Remnant 3C 400.2**
Ergin T., Sezer A., Sano H., Yamazaki R., Fukui Y.
ASTROPHYSICAL JOURNAL, vol.842, no.1, 2017 (SCI-Expanded)
- VI. **Suzaku analysis of the supernova remnant G306.3-0.9 and the gamma-ray view of its neighbourhood**
Sezer A., Ergin T., Yamazaki R.
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- VII. **Suzaku and Fermi observations of the supernova remnant G1.9+0.3**
GK F., Ergin T.
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- VIII. **SEARCHING FOR OVERIONIZED PLASMA IN THE GAMMA-RAY-EMITTING SUPERNOVA REMNANT G349.7+0.2**
Ergin T., Sezer A., Saha L., Majumdar P., GK F., ERCAN E. N.
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- IX. RECOMBINING PLASMA IN THE GAMMA-RAY-EMITTING MIXED-MORPHOLOGY SUPERNOVA REMNANT 3C 391**
Ergin T., Sezer A., Saha L., Majumdar P., Chatterjee A., Bayirli A., Ercan E. N.
ASTROPHYSICAL JOURNAL, vol.790, no.1, 2014 (SCI-Expanded)
- X. Origin of gamma-ray emission in the shell of Cassiopeia A**
Saha L., Ergin T., Majumdar P., Bozkurt M., Ercan E. N.
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- XI. OBSERVATIONS OF THE SHELL-TYPE SUPERNOVA REMNANT CASSIOPEIA A AT TeV ENERGIES WITH VERITAS**
Acciari V. A., Aliu E., Arlen T., Aune T., Bautista M., Beilicke M., Benbow W., Boltuch D., Bradbury S. M., Buckley J. H., et al.
ASTROPHYSICAL JOURNAL, vol.714, no.1, pp.163-169, 2010 (SCI-Expanded)
- XII. DETECTION OF EXTENDED VHE GAMMA RAY EMISSION FROM G106.3+2.7 WITH VERITAS**
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- XIII. MULTIWAVELENGTH OBSERVATIONS OF LS I+61 degrees 303 WITH VERITAS, SWIFT, AND RXTE**
Acciari V. A., Aliu E., Arlen T., Bautista M., Beilicke M., Benbow W., Boettcher M., Bradbury S. M., Bugaev V., Butt Y., et al.
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- XIV. OBSERVATION OF EXTENDED VERY HIGH ENERGY EMISSION FROM THE SUPERNOVA REMNANT IC 443 WITH VERITAS**
Acciari V. A., Aliu E., Arlen T., Aune T., Bautista M., Beilicke M., Benbow W., Bradbury S. M., Buckley J. H., Bugaev V., et al.
ASTROPHYSICAL JOURNAL LETTERS, vol.698, no.2, 2009 (SCI-Expanded)
- XV. EVIDENCE FOR LONG-TERM GAMMA-RAY AND X-RAY VARIABILITY FROM THE UNIDENTIFIED TeV SOURCE HESS J0632+057**
Acciari V. A., Aliu E., Arlen T., Beilicke M., Benbow W., Boltuch D., Bradbury S. M., Buckley J. H., Bugaev V., Byrum K., et al.
ASTROPHYSICAL JOURNAL LETTERS, vol.698, no.2, 2009 (SCI-Expanded)
- XVI. VERITAS OBSERVATIONS OF THE BL LAC OBJECT 1ES 1218+304**
Acciari V. A., Aliu E., Arlen T., Beilicke M., Benbow W., Bradbury S. M., Buckley J. H., Bugaev V., Butt Y., Byrum K. L., et al.
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- XVII. VERITAS OBSERVATIONS OF A VERY HIGH ENERGY gamma-RAY FLARE FROM THE BLAZAR 3C 66A**
Acciari V. A., Aliu E., Arlen T., Beilicke M., Benbow W., Boettcher M., Bradbury S. M., Buckley J. H., Bugaev V., Butt Y., et al.
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- XVIII. THE JUNE 2008 FLARE OF MARKARIAN 421 FROM OPTICAL TO TeV ENERGIES**
Donnarumma I., Vittorini V., Vercellone S., Del Monte E., Feroci M., D'Ammando F., Pacciani L., Chen A. W., Tavani M., Bulgarelli A., et al.
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- XIX. DISCOVERY OF VERY HIGH ENERGY GAMMA-RAY RADIATION FROM THE BL LAC 1ES 0806+524**
Acciari V., Aliu E., Arlen T., Bautista M., Beilicke M., Benbow W., Boettcher M., Bradbury S. M., Buckley J. H., Bugaev V., et al.
ASTROPHYSICAL JOURNAL LETTERS, vol.690, no.2, 2009 (SCI-Expanded)
- XX. VERITAS discovery of > 200 GeV gamma-ray emission from the intermediate-frequency-peaked BL Lacertae object W Comae**
Acciari V. A., Aliu E., Beilicke M., Benbow W., Boettcher M., Bradbury S. M., Buckley J. H., Bugaev V., Butt Y., Celik O., et al.
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- XXI. **Veritas observations of the gamma-ray binary LS I+61 303**
Acciari V. A., Beilicke M., Blaylock G., Bradbury S. M., Buckley J. H., Bugaev V., Butt Y., Byrum K. L., Celik O., Cesarini A., et al.
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- XXII. **Observation of gamma-ray emission from the galaxy M87 above 250 GeV with VERITAS**
Acciari V. A., Beilicke M., Blaylock G., Bradbury S. M., Buckley J. H., Bugaev V., Butt Y., Celik O., Cesarini A., Ciupik L., et al.
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- XXIII. **First results from VERITAS**
Hanna D., Acciari V. A., Amini R., Badran H. M., Blaylock G., Bradbury S. M., Buckley J. H., Bugaev V., Butt Y., Byrum K. L., et al.
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- XXIV. **Observations of the unidentified TeV gamma-ray source TeV J2032+4130 with the Whipple Observatory 10 m telescope**
Konopelko A., Atkins R. W., Blaylock G., Buckley J. H., Butt Y., Carter-Lewis D. A., Celik O., Cogan P., Chow Y. C. K., Cui W., et al.
ASTROPHYSICAL JOURNAL, vol.658, no.2, pp.1062-1068, 2007 (SCI-Expanded)
- XXV. **Upper limits to the SN1006 multi-TeV gamma-ray flux from HESS observations**
Aharonian F., Akhperjanian A., Aye K., Bazer-Bachi A., Beilicke M., Benbow W., Berge D., Berghaus P., Bernlohr K., Boisson C., et al.
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- XXVI. **A new population of very high energy gamma-ray sources in the Milky Way**
Aharonian F., Akhperjanian A., Aye K., Bazer-Bachi A., Beilicke M., Benbow W., Berge D., Berghaus P., Bernlohr K., Boisson C., et al.
SCIENCE, vol.307, no.5717, pp.1938-1942, 2005 (SCI-Expanded)
- XXVII. **Very high energy gamma rays from the composite SNR G0.9+0.1**
Aharonian F., Akhperjanian A., Aye K., Bazer-Bachi A., Beilicke M., Benbow W., Berge D., Berghaus P., Bernlohr K., Boisson C., et al.
ASTRONOMY & ASTROPHYSICS, vol.432, no.2, 2005 (SCI-Expanded)
- XXVIII. **Search for TeV emission from the region around PSR B1706-44 with the HESS experiment**
Aharonian F., Akhperjanian A., Aye K., Bazer-Bachi A., Beilicke M., Benbow W., Berge D., Berghaus P., Bernlohr K., Boisson C., et al.
ASTRONOMY & ASTROPHYSICS, vol.432, no.1, 2005 (SCI-Expanded)
- XXIX. **HESS observations of PKS 2155-304**
Aharonian F., Akhperjanian A., Aye K., Bazer-Bachi A., Beilicke M., Benbow W., Berge D., Berghaus P., Bernlohr K., Bolz O., et al.
ASTRONOMY & ASTROPHYSICS, vol.430, no.3, pp.865-875, 2005 (SCI-Expanded)
- XXX. **High-energy particle acceleration in the shell of a supernova remnant**
Aharonian F., Akhperjanian A., Aye K., Bazer-Bachi A., Beilicke M., Benbow W., Berge D., Berghaus P., Bernlohr K., Bolz O., et al.
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- XXXI. **Calibration of cameras of the HESS detector**
Aharonian F., Akhperjanian A., Aye K., Bazer-Bachi A., Beilicke M., Benbow W., Berge D., Berghaus P., Bernlohr K., Bolz O., et al.
ASTROPARTICLE PHYSICS, vol.22, no.2, pp.109-125, 2004 (SCI-Expanded)
- XXXII. **Very high energy gamma rays from the direction of Sagittarius A**
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Refereed Congress / Symposium Publications in Proceedings

- I. **Investigating the region of 3C 397 in High Energy Gamma rays**
Bhattacharjee P., Majumdar P., Ergin T., Saha L., Joarder P. S.
331st Symposium of the International-Astronomical-Union (IAU), France, 20 - 24 February 2017, vol.12, pp.316-319
- II. **Locating the TeV gamma-rays from the shell regions of Cassiopeia A**
Saha L., Ergin T., Majumdar P., Bozkurt M.
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- III. **GeV Analysis of Mixed Morphology Supernova Remnants Interacting with Molecular Clouds**
Ergin T., Ercan E. N.
5th International Meeting on High Energy Gamma-Ray Astronomy, Heidelberg, Germany, 9 - 13 July 2012, vol.1505, pp.265-268
- IV. **Status of the VERITAS Observatory**
Holder J., Acciari V. A., Aliu E., Arlen T., Beilicke M., Benbow W., Bradbury S. M., Buckley J. H., Bugaev V., Butt Y., et al.
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- V. **Status Report From VERITAS**
Krennrich F., Blaylock G., Bradbury S. M., Buckley J. H., Byrum K. L., Carter-Lewis D. A., Celik O., Cogan P., Cui W., Daniel M. K., et al.
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- VI. **VERITAS: status c.2005**
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17th International Conference on Particles and Nuclei, Santa Fe, Argentina, 23 - 30 October 2005, vol.842, pp.1001-1003

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