

## Arařtırmacı DOĐA VESKE

### Kiřisel Bilgiler

İř Telefonu: [+90 312 210 3293](tel:+903122103293)

E-posta: [veske@metu.edu.tr](mailto:veske@metu.edu.tr)

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

Posta Adresi: ODTÜ Fizik Bölümü

### Uluslararası Arařtırmacı ID'leri

ScholarID: [jAHx-NAAAAAJ](https://orcid.org/0000-0003-4225-0895)

ORCID: [0000-0003-4225-0895](https://orcid.org/0000-0003-4225-0895)

### Arařtırma Alanları

Fizik

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Search for an eV-Scale Sterile Neutrino Using Improved High-Energy  $\nu_{\mu}$  Event Reconstruction in IceCube**  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Argüelles C., et al.  
PHYSICAL REVIEW LETTERS, cilt.133, sa.20, 2024 (SCI-Expanded)
- II. **Exploration of mass splitting and muon/tau mixing parameters for an eV-scale sterile neutrino with IceCube**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Argüelles C., et al.  
PHYSICS LETTERS B, cilt.858, 2024 (SCI-Expanded)
- III. **Search for Joint Multimessenger Signals from Potential Galactic Cosmic-Ray Accelerators with HAWC and IceCube**  
Alfaro R., Alvarez C., Arteaga-Velazquez J. C., Avila Rojas D., Solares H. A. A., Babu R., Belmont-Moreno E., Caballero-Mora K. S., Capistran T., Carraminana A., et al.  
ASTROPHYSICAL JOURNAL, cilt.976, sa.1, 2024 (SCI-Expanded)
- IV. **Probing the Connection between IceCube Neutrinos and MOJAVE AGN**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Argüelles C., et al.  
ASTROPHYSICAL JOURNAL, cilt.973, sa.2, 2024 (SCI-Expanded)
- V. **Searching for topological dark matter in LIGO data**  
Heisenberg L., Maibach D., Veske D.  
PHYSICAL REVIEW D, cilt.110, sa.5, 2024 (SCI-Expanded)
- VI. **Ultralight vector dark matter search using data from the KAGRA O3GK run**  
Abac A., Andrić T., Buonanno A., Dax M., Dhani A., Dietrich T., Estellés H., Gair J., Gamboa A., Green S., et al.  
PHYSICAL REVIEW D, cilt.110, sa.4, 2024 (SCI-Expanded)
- VII. **Search for Gravitational-lensing Signatures in the Full Third Observing Run of the LIGO-Virgo Network**  
Abbott R., Abe H., Acernese F., Ackley K., Adhicary S., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., et

al.

ASTROPHYSICAL JOURNAL, cilt.970, sa.2, 2024 (SCI-Expanded)

- VIII. **Characterization of the astrophysical diffuse neutrino flux using starting track events in IceCube**  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Anton G., et al.  
PHYSICAL REVIEW D, cilt.110, sa.2, 2024 (SCI-Expanded)
- IX. **Gravitational-wave matched filtering on a quantum computer**  
Veske D., Tüysüz C., Amico M., Bronn N. T., Lanes O. T., Bartos I., Márka Z., Will S., Márka S.  
PHYSICA SCRIPTA, cilt.99, sa.7, 2024 (SCI-Expanded)
- X. **Citizen science for IceCube: *Name that Neutrino***  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Anton G., et al.  
EUROPEAN PHYSICAL JOURNAL PLUS, cilt.139, sa.6, 2024 (SCI-Expanded)
- XI. **Improved modeling of in-ice particle showers for IceCube event reconstruction**  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Anton G., et al.  
JOURNAL OF INSTRUMENTATION, cilt.19, sa.6, 2024 (SCI-Expanded)
- XII. **Search for decoherence from quantum gravity with atmospheric neutrinos**  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Anton G., et al.  
NATURE PHYSICS, cilt.20, sa.6, ss.913-920, 2024 (SCI-Expanded)
- XIII. **All-sky Search for Transient Astrophysical Neutrino Emission with 10 Years of IceCube Cascade Events**  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL, cilt.967, sa.1, 2024 (SCI-Expanded)
- XIV. **Search for Gravitational-wave Transients Associated with Magnetar Bursts in Advanced LIGO and Advanced Virgo Data from the Third Observing Run**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., Agarwal D., et al.  
ASTROPHYSICAL JOURNAL, cilt.966, sa.1, 2024 (SCI-Expanded)
- XV. **Observation of Seven Astrophysical Tau Neutrino Candidates with IceCube**  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Anton G., et al.  
PHYSICAL REVIEW LETTERS, cilt.132, sa.15, 2024 (SCI-Expanded)
- XVI. **Search for 10-1000 GeV Neutrinos from Gamma-Ray Bursts with IceCube**  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL, cilt.964, sa.2, 2024 (SCI-Expanded)
- XVII. **A Joint Fermi-GBM and Swift-BAT Analysis of Gravitational-wave Candidates from the Third Gravitational-wave Observing Run**  
Fletcher C., Wood J., Hamburg R., Veres P., Hui C. M., Bissaldi E., Briggs M. S., Burns E., Cleveland W. H., Giles M. M., et al.  
ASTROPHYSICAL JOURNAL, cilt.964, sa.2, 2024 (SCI-Expanded)
- XVIII. **Search for Continuous and Transient Neutrino Emission Associated with IceCube's Highest-energy Tracks: An 11 yr Analysis**  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL, cilt.964, sa.1, 2024 (SCI-Expanded)
- XIX. **GWTC-2.1: Deep extended catalog of compact binary coalescences observed by LIGO and Virgo during the first half of the third observing run**

Abbott R., Abbott T. D., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R. X., Adya V. B., Affeldt C., Agarwal D., et al.

PHYSICAL REVIEW D, cilt.109, sa.2, 2024 (SCI-Expanded)

- XX. **In situ estimation of ice crystal properties at the South Pole using LED calibration data from the IceCube Neutrino Observatory**  
Abbasi R., Ackermann M., Adams J., Aggarwal N., Aguilar J., Ahlers M., Ahrens M., Alameddine J., Alves A. A., Amin N. M. B., et al.  
CRYOSPHERE, cilt.18, sa.1, ss.75-102, 2024 (SCI-Expanded)
- XXI. **Search for Galactic Core-collapse Supernovae in a Decade of Data Taken with the IceCube Neutrino Observatory**  
Abbasi R., Ackermann M., Adams J., Agarwalla S. K., Aguilar J. A., Ahlers M., Alameddine J. M., Amin N. M., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL, cilt.961, sa.1, 2024 (SCI-Expanded)
- XXII. **A Search for IceCube Sub-TeV Neutrinos Correlated with Gravitational-wave Events Detected By LIGO/Virgo**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL, cilt.959, sa.2, 2023 (SCI-Expanded)
- XXIII. **Search for neutrino lines from dark matter annihilation and decay with IceCube**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Anton G., et al.  
PHYSICAL REVIEW D, cilt.108, sa.10, 2023 (SCI-Expanded)
- XXIV. **IceCat-1: The IceCube Event Catalog of Alert Tracks**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, cilt.269, sa.1, 2023 (SCI-Expanded)
- XXV. **Detecting fundamental vector fields with LISA**  
Fell S., Heisenberg L., Veske D.  
PHYSICAL REVIEW D, cilt.108, sa.8, 2023 (SCI-Expanded)
- XXVI. **GWTC-3: Compact Binary Coalescences Observed by LIGO and Virgo during the Second Part of the Third Observing Run**  
Abbott R., Abbott T., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R., Adya V., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW X, cilt.13, sa.4, 2023 (SCI-Expanded)
- XXVII. **Search for Extended Sources of Neutrino Emission in the Galactic Plane with IceCube**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL, cilt.956, sa.1, 2023 (SCI-Expanded)
- XXVIII. **Search for Gravitational Waves Associated with Fast Radio Bursts Detected by CHIME/FRB during the LIGO-Virgo Observing Run O3a**  
Abbott R., Abbott T., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R., Adya V., Affeldt C., Agarwal D., et al.  
ASTROPHYSICAL JOURNAL, cilt.955, sa.2, 2023 (SCI-Expanded)
- XXIX. **Observation of seasonal variations of the flux of high-energy atmospheric neutrinos with IceCube**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aggarwal N., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., et al.  
EUROPEAN PHYSICAL JOURNAL C, cilt.83, sa.9, 2023 (SCI-Expanded)
- XXX. **Search for Correlations of High-energy Neutrinos Detected in IceCube with Radio-bright AGN and Gamma-Ray Emission from Blazars**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL, cilt.954, sa.1, 2023 (SCI-Expanded)
- XXXI. **Search for sub-TeV Neutrino Emission from Novae with IceCube-DeepCore**

- Abbasi R., Ackermann M., Adams J., Aggarwal N., Aguilar J., Ahlers M., Alameddine J., Alves A., Amin N., Andeen K., et al.  
ASTROPHYSICAL JOURNAL, cilt.953, sa.2, 2023 (SCI-Expanded)
- XXXII. **Open Data from the Third Observing Run of LIGO, Virgo, KAGRA, and GEO**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikary S., Adhikari N., Adhikari R., Adkins V., Adya V., Affeldt C., et al.  
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, cilt.267, sa.2, 2023 (SCI-Expanded)
- XXXIII. **Measurement of atmospheric neutrino mixing with improved IceCube DeepCore calibration and data processing**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Anton G., et al.  
PHYSICAL REVIEW D, cilt.108, sa.1, 2023 (SCI-Expanded)
- XXXIV. **Constraints on Populations of Neutrino Sources from Searches in the Directions of IceCube Neutrino Alerts**  
Abbasi R., Ackermann M., Adams J., Aggarwal N., Aguilar J., Ahlers M., Alameddine J., Alves A., Amin N., Andeen K., et al.  
ASTROPHYSICAL JOURNAL, cilt.951, sa.1, 2023 (SCI-Expanded)
- XXXV. **Constraints on the Cosmic Expansion History from GWTC-3**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R., Adkins V., Adya V., Affeldt C., Agarwal D., et al.  
ASTROPHYSICAL JOURNAL, cilt.949, sa.2, 2023 (SCI-Expanded)
- XXXVI. **Constraining High-energy Neutrino Emission from Supernovae with IceCube**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL LETTERS, cilt.949, sa.1, 2023 (SCI-Expanded)
- XXXVII. **Multimessenger emission from tidal waves in neutron star oceans**  
Sullivan A. G., Alves L. M., Spence G. O., Leite I. P., Veske D., Bartos I., Márka Z., Márka S.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, cilt.520, sa.4, ss.6173-6189, 2023 (SCI-Expanded)
- XXXVIII. **D-Egg: a dual PMT optical module for IceCube**  
Abbasi R., Ackermann M., Adams J., Aggarwal N., Aguilar J., Ahlers M., Alameddine J., Alves A., Amin N., Andeen K., et al.  
JOURNAL OF INSTRUMENTATION, cilt.18, sa.4, 2023 (SCI-Expanded)
- XXXIX. **A Search for Coincident Neutrino Emission from Fast Radio Bursts with Seven Years of IceCube Cascade Events**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., Anton G., et al.  
ASTROPHYSICAL JOURNAL, cilt.946, sa.2, 2023 (SCI-Expanded)
- XL. **Searches for Neutrinos from Large High Altitude Air Shower Observatory Ultra-high-energy  $\gamma$ -Ray Sources Using the IceCube Neutrino Observatory**  
Abbasi R., Ackermann M., Adams J., Aggarwal N., Aguilar J., Ahlers M., Alameddine J., Alves A., Amin N., Andeen K., et al.  
ASTROPHYSICAL JOURNAL LETTERS, cilt.945, sa.1, 2023 (SCI-Expanded)
- XLI. **Limits on Neutrino Emission from GRB 221009A from MeV to PeV Using the IceCube Neutrino Observatory**  
Abbasi R., Ackermann M., Adams J., Agarwalla S., Aggarwal N., Aguilar J., Ahlers M., Alameddine J., Amin N., Andeen K., et al.  
ASTROPHYSICAL JOURNAL LETTERS, cilt.946, sa.1, 2023 (SCI-Expanded)
- XLII. **IceCube Search for Neutrinos Coincident with Gravitational Wave Events from LIGO/Virgo Run O3**  
Abbasi R., Ackermann M., Adams J., Aggarwal N., Aguilar J., Ahlers M., Ahrens M., Alameddine J., Alves A., Amin N., et al.  
ASTROPHYSICAL JOURNAL, cilt.944, sa.1, 2023 (SCI-Expanded)
- XLIII. **Population of Merging Compact Binaries Inferred Using Gravitational Waves through GWTC-3**  
Abbott R., Abbott T., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R., Adya V., Affeldt C., Agarwal D., et al.

PHYSICAL REVIEW X, cilt.13, sa.1, 2023 (SCI-Expanded)

- XLIV. **Model-based Cross-correlation Search for Gravitational Waves from the Low-mass X-Ray Binary Scorpius X-1 in LIGO O3 Data**  
Abbott R., Abe H., Acernese F., Ackley K., Adhicy S., Adhikari N., Adhikari R., Adkins V., Adya V., Affeldt C., et al.  
ASTROPHYSICAL JOURNAL LETTERS, sa.2, 2022 (SCI-Expanded)
- XLV. **All-sky search for continuous gravitational waves from isolated neutron stars using Advanced LIGO and Advanced Virgo O3 data**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, cilt.106, sa.10, 2022 (SCI-Expanded)
- XLVI. **Graph Neural Networks for low-energy event classification & reconstruction in IceCube**  
Abbasi R., Ackermann M., Adams J., Aggarwal N., Aguilar J. A., Ahlers M., Ahrens M., Alameddine J. M., Alves Jr A. A., Amin N. M., et al.  
JOURNAL OF INSTRUMENTATION, cilt.17, sa.11, 2022 (SCI-Expanded)
- XLVII. **Search for gravitational waves from Scorpius X-1 with a hidden Markov model in O3 LIGO data**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, cilt.106, sa.6, 2022 (SCI-Expanded)
- XLVIII. **Search for continuous gravitational wave emission from the Milky Way center in O3 LIGO-Virgo data**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, cilt.106, sa.4, 2022 (SCI-Expanded)
- XLIX. **Searches for Gravitational Waves from Known Pulsars at Two Harmonics in the Second and Third LIGO-Virgo Observing Runs**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., Agarwal D., et al.  
ASTROPHYSICAL JOURNAL, sa.1, 2022 (SCI-Expanded)
- L. **Search for Subsolar-Mass Binaries in the First Half of Advanced LIGO's and Advanced Virgo's Third Observing Run**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW LETTERS, sa.6, 2022 (SCI-Expanded)
- LI. **All-sky, all-frequency directional search for persistent gravitational waves from Advanced LIGO's and Advanced Virgo's first three observing runs**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, cilt.105, sa.12, 2022 (SCI-Expanded)
- LII. **First joint observation by the underground gravitational-wave detector KAGRA with GEO 600**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., Agarwal D., et al.  
PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, sa.6, 2022 (SCI-Expanded)
- LIII. **Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run**  
Abbott R., Abbott T. D., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R. X., Adya V. B., Affeldt C., Agarwal D., et al.  
ASTROPHYSICAL JOURNAL, sa.2, 2022 (SCI-Expanded)
- LIV. **All-sky search for gravitational wave emission from scalar boson clouds around spinning black holes in LIGO O3 data**  
Abbott R., Abe H., Acernese F., Ackley K., Adhikari N., Adhikari R. X., Adkins V. K., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, sa.10, 2022 (SCI-Expanded)

- LV. Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants**  
Abbott R., Abbott T. D., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R. X., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, sa.8, 2022 (SCI-Expanded)
- LVI. Probing the dark Solar system: detecting binary asteroids with a space-based interferometric asteroid explorer**  
Sullivan A. G., Veske D., Márka Z., Bartos I., Márka S.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, sa.3, ss.3738-3753, 2022 (SCI-Expanded)
- LVII. Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3b**  
Abbott R., Abbott T. D., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R. X., Adya V. B., Affeldt C., Agarwal D., et al.  
ASTROPHYSICAL JOURNAL, sa.2, 2022 (SCI-Expanded)
- LVIII. Constraints on dark photon dark matter using data from LIGO's and Virgo's third observing run**  
Abbott R., Abbott T., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R., Adya V., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, sa.6, 2022 (SCI-Expanded)
- LIX. Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo**  
Abbott R., Abbott T., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R., Adya V., Affeldt C., Agarwal D., et al.  
ASTRONOMY & ASTROPHYSICS, 2022 (SCI-Expanded)
- LX. Generalized approach to matched filtering using neural networks**  
Yan J., Avagyan M., Colgan R. E., Veske D., Bartos I., Wright J., Márka Z., Márka S.  
PHYSICAL REVIEW D, sa.4, 2022 (SCI-Expanded)
- LXI. Search for continuous gravitational waves from 20 accreting millisecond x-ray pulsars in O3 LIGO data**  
Abbott R., Abbott T. D., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R. X., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, cilt.105, sa.2, 2022 (SCI-Expanded)
- LXII. All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run**  
Abbott R., Abbott T. D., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R. X., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, sa.12, 2021 (SCI-Expanded)
- LXIII. Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO-Virgo's Third Observing Run**  
Abbott R., Abbott T. D., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R. X., Adya V. B., Affeldt C., et al.  
ASTROPHYSICAL JOURNAL, sa.1, 2021 (SCI-Expanded)
- LXIV. Characterizing the Observation Bias in Gravitational-wave Detections and Finding Structured Population Properties**  
Veske D., Bartos I., Márka Z., Márka S.  
ASTROPHYSICAL JOURNAL, sa.2, 2021 (SCI-Expanded)
- LXV. All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run**  
Abbott R., Abbott T. D., Acernese F., Ackley K., Adams C., Adhikari N., Adhikari R. X., Adya V. B., Affeldt C., Agarwal D., et al.  
PHYSICAL REVIEW D, sa.10, 2021 (SCI-Expanded)
- LXVI. Searches for Continuous Gravitational Waves from Young Supernova Remnants in the Early Third Observing Run of Advanced LIGO and Virgo**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.

- ASTROPHYSICAL JOURNAL, sa.1, 2021 (SCI-Expanded)
- LXVII. **Constraints from LIGO O3 Data on Gravitational-wave Emission Due to R-modes in the Glitching Pulsar PSR J0537-6910**  
Abbott R., Abbott T. D., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R. X., Adya V. B., Affeldt C., et al.  
ASTROPHYSICAL JOURNAL, sa.1, 2021 (SCI-Expanded)
- LXVIII. **The IceCube Pie Chart: Relative Source Contributions to the Cosmic Neutrino Flux**  
Bartos I., Veske D., Kowalski M., Márka Z., Márka S.  
ASTROPHYSICAL JOURNAL, sa.1, 2021 (SCI-Expanded)
- LXIX. **All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
PHYSICAL REVIEW D, sa.8, 2021 (SCI-Expanded)
- LXX. **An Archival Search for Neutron-star Mergers in Gravitational Waves and Very-high-energy Gamma Rays**  
Adams C., Benbow W., Brill A., Buckley J., Capasso M., Christiansen J., Chromey A., Daniel M., Errando M., Falcone A., et al.  
ASTROPHYSICAL JOURNAL, sa.2, 2021 (SCI-Expanded)
- LXXI. **Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
PHYSICAL REVIEW D, sa.2, 2021 (SCI-Expanded)
- LXXII. **Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
PHYSICAL REVIEW D, sa.2, 2021 (SCI-Expanded)
- LXXIII. **Observation of Gravitational Waves from Two Neutron Star-Black Hole Coalescences**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
ASTROPHYSICAL JOURNAL LETTERS, sa.1, 2021 (SCI-Expanded)
- LXXIV. **Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3a**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams C., Adhikari R., Adya V., Affeldt C., Agathos M., et al.  
ASTROPHYSICAL JOURNAL, sa.2, 2021 (SCI-Expanded)
- LXXV. **Constraints on Cosmic Strings Using Data from the Third Advanced LIGO-Virgo Observing Run**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
PHYSICAL REVIEW LETTERS, sa.24, 2021 (SCI-Expanded)
- LXXVI. **GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
PHYSICAL REVIEW X, sa.2, 2021 (SCI-Expanded)
- LXXVII. **Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
PHYSICAL REVIEW D, sa.12, 2021 (SCI-Expanded)
- LXXVIII. **Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
ASTROPHYSICAL JOURNAL LETTERS, sa.2, 2021 (SCI-Expanded)
- LXXIX. **Population Properties of Compact Objects from the Second LIGO-Virgo Gravitational-Wave Transient Catalog**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.

- ASTROPHYSICAL JOURNAL LETTERS, sa.1, 2021 (SCI-Expanded)
- LXXX. **All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
PHYSICAL REVIEW D, sa.6, 2021 (SCI-Expanded)
- LXXXI. **Swift Follow-up Observations of Gravitational-wave and High-energy Neutrino Coincident Signals**  
Keivani A., Kennea J. A., Evans P. A., Tohuvavohu A., Rapisura R., Oates S. R., Countryman S., Bartos I., Márka Z., Veske D., et al.  
ASTROPHYSICAL JOURNAL, sa.2, 2021 (SCI-Expanded)
- LXXXII. **How to Search for Multiple Messengers-A General Framework Beyond Two Messengers**  
Veske D., Márka Z., Bartos I., Márka S.  
ASTROPHYSICAL JOURNAL, sa.2, 2021 (SCI-Expanded)
- LXXXIII. **Search for Black Hole Merger Families**  
Veske D., Sullivan A. G., Márka Z., Bartos I., Corley K. R., Samsing J., Buscicchio R., Márka S.  
ASTROPHYSICAL JOURNAL LETTERS, sa.2, 2021 (SCI-Expanded)
- LXXXIV. **Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams C., Adhikari R., Adya V., Affeldt C., Agathos M., et al.  
SOFTWAREX, 2021 (SCI-Expanded)
- LXXXV. **Can we use next-generation gravitational wave detectors for terrestrial precision measurements of Shapiro delay?**  
Sullivan A. G., Veske D., Márka Z., Bartos I., Ballmer S., Shawhan P., Márka S.  
CLASSICAL AND QUANTUM GRAVITY, sa.20, 2020 (SCI-Expanded)
- LXXXVI. **Have hierarchical three-body mergers been detected by LIGO/Virgo?**  
Veske D., Marka Z., Sullivan A. G., Bartos I., Rainer Corley K., Samsing J., Marka S.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, sa.1, 2020 (SCI-Expanded)
- LXXXVII. **Gravitational-wave Constraints on the Equatorial Ellipticity of Millisecond Pulsars**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams A., Adams C., Adhikari R., Adya V., Affeldt C., et al.  
ASTROPHYSICAL JOURNAL LETTERS, sa.1, 2020 (SCI-Expanded)
- LXXXVIII. **GW190521: A Binary Black Hole Merger with a Total Mass of  $150 M_{\odot}$**   
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams C., Adhikari R., Adya V., Affeldt C., Agathos M., et al.  
PHYSICAL REVIEW LETTERS, sa.10, 2020 (SCI-Expanded)
- LXXXIX. **Properties and Astrophysical Implications of the  $150 M_{\odot}$  Binary Black Hole Merger GW190521**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams C., Adhikari R., Adya V., Affeldt C., Agathos M., et al.  
ASTROPHYSICAL JOURNAL LETTERS, sa.1, 2020 (SCI-Expanded)
- XC. **GW190412: Observation of a binary-black-hole coalescence with asymmetric masses**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams C., Adhikari R., Adya V., Affeldt C., Agathos M., et al.  
PHYSICAL REVIEW D, sa.4, 2020 (SCI-Expanded)
- XCI. **IceCube Search for Neutrinos Coincident with Compact Binary Mergers from LIGO-Virgo's First Gravitational-wave Transient Catalog**  
Aartsen M., Ackermann M., Adams J., Aguilar J., Ahlers M., Ahrens M., Alispach C., Andeen K., Anderson T., Ansseau I., et al.  
ASTROPHYSICAL JOURNAL LETTERS, sa.1, 2020 (SCI-Expanded)
- XCII. **GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object**  
Abbott R., Abbott T., Abraham S., Acernese F., Ackley K., Adams C., Adhikari R., Adya V., Affeldt C., Agathos M., et al.  
ASTROPHYSICAL JOURNAL LETTERS, sa.2, 2020 (SCI-Expanded)
- XCI. **Neutrino emission upper limits with maximum likelihood estimators for joint astrophysical neutrino searches with large sky localizations**  
Veske D., Márka Z., Bartos I., Márka S.  
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS, sa.5, 2020 (SCI-Expanded)



- XCIV. Constraining Black Hole Populations in Globular Clusters Using Microlensing: Application to Omega Centauri**  
Zaris J., Veske D., Samsing J., Márka Z., Bartos I., Márka S.  
ASTROPHYSICAL JOURNAL LETTERS, sa.1, 2020 (SCI-Expanded)
- XCv. A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs**  
Hamburg R., Fletcher C., Burns E., Goldstein A., Bissaldi E., Briggs M., Cleveland W., Giles M., Hui C., Kocevski D., et al.  
ASTROPHYSICAL JOURNAL, sa.2, 2020 (SCI-Expanded)
- XCvI. Bayesian multimessenger search method for common sources of gravitational waves and high-energy neutrinos**  
Bartos I., VESKE D., Keivani A., Marka Z., Countryman S., Blaufuss E., Finley C., Marka S.  
PHYSICAL REVIEW D, sa.8, 2019 (SCI-Expanded)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. Multi-messenger searches via IceCube's high-energy neutrinos and gravitational-wave detections of LIGO/Virgo**  
Veske D., Hussain R., Márka Z., Countryman S., Pizzuto A., Asali Y., Oliveira A. S., Vandenbroucke J., Abbasi R., Ackermann M., et al.  
37th International Cosmic Ray Conference, ICRC 2021, Virtual, Berlin, Almanya, 12 - 23 Temmuz 2021, cilt.395
- II. An Archival Search for Very-High-Energy Counterparts to Sub-Threshold Neutron-Star Merger Candidates**  
Bartos I., Rainer Corley K., Márka S., Márka Z., Veske D., Adams C. B., Archer A., Benbow W., Brill A., Buckley J., et al.  
37th International Cosmic Ray Conference (ICRC), ELECTR NETWORK, 12 - 23 Temmuz 2021
- III. Multi-messenger Gravitational-Wave + High-Energy Neutrino Searches with LIGO, Virgo, and IceCube**  
Keivani A., Veske D., Countryman S., Bartos I., Corley K. R., Marka Z., Marka S.  
36th International Cosmic Ray Conference, ICRC 2019, Wisconsin, Amerika Birleşik Devletleri, 24 Temmuz - 01 Ağustos 2019, cilt.358
- IV. Search for hierarchical triple black hole mergers**  
Veske D., Sullivan A., Márka Z., Bartos I., Corley K., Samsing J., Buscicchio R., Márka S.  
55th Rencontres de Moriond on Gravitation 2021, Virtual, Online, 9 - 11 Mayıs 2021, ss.187-190
- V. Multi-messenger Gravitational-Wave plus High-Energy Neutrino Searches with LIGO, Virgo, and IceCube**  
Keivani A., VESKE D., Countryman S., Bartos I., Corley K. R., Marka Z., Marka S.  
36th International Cosmic Ray Conference (ICRC), Wisconsin, Amerika Birleşik Devletleri, 24 Temmuz - 01 Ağustos 2019
- VI. Pretest Setup Installation of the METU-DBL Project to Perform Space Radiation Tests**  
DEMİRKÖZ M. B., Efthymiopoulos I., Gencer A., Milanese A., Yigitoglu M., ŞAHİN İ., Baslar G. K., AYDIN M., Avaroglu A., Uslu P., et al.  
8th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Türkiye, 19 - 22 Haziran 2017, ss.311-316

## **Metrikler**

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