



Behzad Eslam Panah

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Personal Information

- Gender: Male
- Date of birth: 1985/02/04 (Guilan, Iran)
- Nationality: Iranian
- Mother Language: Azerbaijani

ID

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- Scopus: 36
Link: <https://www.scopus.com/authid/detail.uri?authorId=55987589900>
- Google Scholar: 41
Link: <https://scholar.google.com/citations?user=tvqPm7UAAAAJ&hl=en>

Education

- BSc (Sep 2004-July 2009): Physics (solid states), Yasouj University, Yasouj, Iran.
- MSc (Sep 2009-Dec 2012): Physics (Astronomy and Astrophysics), University of Tabriz, Tabriz, Iran.
- PhD (Sep 2013-Feb 2018): Physics (Astrophysics and Cosmology), Shiraz University, Iran.
- Post-doctoral (Sep 2018- Sep 2020): Physics (Astrophysics and Gravitation), Shiraz University, Iran.

Honor and Awards

- Top B.Sc. student, physics at Yasouj University in 2010.
- Best M.Sc. student, astronomy and astrophysics at University of Tabriz in 2012.
- Best Ph.D. student, in astronomy and astrophysics at Shiraz University in 2017.
- Scholarship from the national elite foundation of IRAN for Ph.D research in 2017.
- Scholarship from the national elite foundation of IRAN for Post-doctoral research in 2019.
- Top 2% of scientists in 2020, 2021, 2022, 2023, 2024, 2025 (according to Elsevier).

Title of Thesis

- **B.Sc. Thesis:** *Black branes in Gauss-Bonnet gravity in the presence nonlinear source*
Supervisors: Dr. S. H. Hendi
- **M.Sc. Thesis:** *power law correction of Einstein-Maxwell gravity*
Supervisors: Prof. Dr. D. Mohammadzadeh Jasuur and Dr. S. H. Hendi
- **PhD Thesis:** *Extracting the hydrostatic equilibrium equation for neutron stars in modified gravity and calculating the structure properties of these stars*
Supervisors: Prof. Dr. G. H. Bordbar and Dr. S. H. Hendi

Positions

- Post-doctoral researcher at Shiraz University (4 Sep 2018 - 4 Sep 2019).
- Post-doctoral researcher at Shiraz University (15 Sep 2019 - 15 Sep 2020).
- Researcher in Research Institute for Astronomy and Astrophysics of Maragha (RIAAM), for five years (2015-2020).
- Researcher in International Center for Relativistic Astrophysics Network (ICRANet), Pescara, Italy (2017 up to now)
- **Current position:** Assistant Professor in Physics, Department of Theoretical Physics, Faculty of Basic Sciences, University of Mazandaran, P. O. Box 47416-95447, Babolsar, Iran (20 Feb 2020 up to now).

Published papers

- I published 91 papers in international journals;
for more details, see the following links:
Scopus Based:
<https://www.scopus.com/authid/detail.uri?authorId=55987589900>

Experience in Scientific Society

- ❖ Reviewer in the following journals:
 - The European Physical Journal C
 - General Relativity and Gravitation
 - Progress of Physics
 - Classical and Quantum Gravity
 - Physics of the Dark Universe
 - Annalen der Physics
 - Nuclear Physics B
 - Canadian Journal of Physics
 - Europhysics Letters
 - International Journal of Theoretical Physics
 - Advances in High Energy Physics
 - Physica Scripta
 - Galaxies
 - Modern Physics Letters A
 - Iranian Journal of Science and Technology, Transactions A: Science
 - Symmetry
 - Universe
 - Journal of Physics Communications
 - Astronomy and Computing
 - International Journal of Geometric Methods in Modern Physics
 - Modern Physics Letters
 - Particles
- ❖ Editor in the following journals:
 - Frontiers in Physics
 - Galaxies

Areas of Expertise

- Black hole physics and its thermodynamics
- Modified theories of gravity
- Nonlinear electromagnetic fields and their coupling to gravitation.
- Compact objects (white dwarf, neutron and quark stars) and high energy physics
- Gravastars
- Dark energy stars