

Special Issue

Particle Physics and Quantum Gravity Implications for Cosmology

Message from the Guest Editor

Various fields of study in theoretical particle physics and quantum gravity are having profound impacts on cosmology. Our understanding of the universe has been and continues to be deeply altered by advancements in these fields. The present “special issue” is to focus on the current cosmological implications of fields within these two realms. We would like to call for papers disseminating and discussing implications for cosmology resulting from areas of particle physics and quantum gravity, including, but are not limited to:

- string/M-/F-theory
- brane interactions
- loop quantum gravity
- Horava-Lifshitz gravity
- trans-Planckian physics
- causal dynamical triangulation
- causal sets
- non-commutative geometries

Review papers are also welcome.

Guest Editor

Prof. Dr. Gerald B. Cleaver

Early Universe Cosmology and Strings (EUCOS) Group, Center for Astrophysics, Space Physics and Engineering Research (CASPER), Baylor University, Waco, TX 76798, USA

Deadline for manuscript submissions

closed (31 December 2013)



Galaxies

an Open Access Journal
by MDPI

Impact Factor 3.8
CiteScore 6.3



mdpi.com/si/2793

Galaxies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
galaxies@mdpi.com

[mdpi.com/journal/
galaxies](http://mdpi.com/journal/galaxies)





Galaxies

an Open Access Journal
by MDPI

Impact Factor 3.8
CiteScore 6.3



[mdpi.com/journal/
galaxies](https://mdpi.com/journal/galaxies)



About the Journal

Message from the Editorial Board

Galaxies provides an advanced forum for studies related to astronomy, astrophysics, and cosmology, including all of their subfields. Different formats, such as specialized research articles, reviews, communications and technical notes are welcomed. Manuscripts containing original and creative research proposals and ideas are especially appreciated.

We encourage scientists to publish their astronomical observations and theoretical results in as much detail as possible. There is no restriction on the paper length and full experimental and methodological details, as applicable, should be provided. All papers will be peer reviewed promptly. On behalf of the distinguished members of the editorial board, I extend my welcome to all researchers working on these subjects to contribute to *Galaxies*.

Editors-in-Chief

Dr. Margo Aller

Department of Astronomy, University of Michigan, Ann Arbor, MI 48109-1042, USA

Dr. Jose L. Gómez

Instituto de Astrofísica de Andalucía (IAA-CSIC), Glorieta de la Astronomía S/N, 18008 Granada, Spain

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Astrophysics Data System, INSPIRE, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Astronomy and Astrophysics) / CiteScore - Q2 (Astronomy and Astrophysics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.8 days after submission; acceptance to publication is undertaken in 5.9 days (median values for papers published in this journal in the second half of 2025).