



## Particle Physics and Quantum Gravity Implications for Cosmology

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Deadline for manuscript  
submissions:

**closed (31 December 2013)**

### Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Gerald B. Cleaver  
*Guest Editor*





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## 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*.

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