

Special Issue

Alternative Interpretations of Observed Galactic Behaviors

Message from the Guest Editors

The goal of this Special Issue is to stimulate discussion on a key issue in galactic astronomy. Namely, non-baryonic dark matter (NBDM) is now central to both modern cosmologic models and many models of galactic evolution. Yet, neither experimental confirmation nor direct observational evidence for NBDM exist, despite decades of concerted and expensive efforts. Moreover, NBDM was invoked ~50 years ago to explain why galactic rotational velocities differ from the radial pattern of our solar system and became entrenched well before several authors proved both analytically and numerically that galactic rotation curves are wholly consistent with normal matter and ordinary gravitational forces. We solicit exposés of new interpretations of galactic behaviors that are connected directly or indirectly with the postulated existence of NBDM. We also solicit alternative explanations of the redshift because popular cosmological models, which rest on the redshift being a Doppler effect, also require dark matter, which is considered a reason for its existence.

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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*.

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