



The Power of Faraday Tomography

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Deadline for manuscript
submissions:

closed (1 November 2018)

Message from the Guest Editors

Dear Colleagues,

We invite you to submit manuscripts for a Special Issue of *Galaxies* on “The Power of Faraday Tomography”. Magnetic fields play vital roles on all scales throughout the Universe, allowing the creation of stars and exoplanets, affecting the gas flows in the interstellar medium, forming galactic and AGN jet structures, and permeating the cosmic web such as galaxy clusters. Yet the origin of these cosmic magnets and the mechanisms of field amplification/ordering over the history of the Universe are still largely unsolved. Recent developments from new astronomical messengers, such as fast radio bursts (FRBs), in combination with new polarimetric radio surveys, are rapidly developing this field from a data-restricted niche into a diverse and rapidly-developing field.

This Special Issue aims to review the current status and future prospects of the Faraday tomography method, by combining astronomical observations, numerical simulations, and astrophysical theories.





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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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