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Challenges in Understanding Black Hole Powered Jets with VLBI

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Deadline for manuscript submissions:
closed (25 December 2022)

Message from the Guest Editors

Dear Colleagues,

The Event Horizon Telescope (EHT) has made a breakthrough in capturing the black hole shadow at the base of the M87 jet for the first time. This discovery has given momentum to explore the formation and acceleration mechanism of jets powered by black holes, one of the biggest mysteries in astrophysics. Riding on this momentum, synergy with worldwide VLBI observation (such as GMVA, EAVN, VLBA, EVN, LBA etc.) is now being vigorously pursued as the key to elucidating the "jet formation and acceleration mechanism".

We are now at a time of rapid progress in instrumental development, observation, and theoretical research, all of which are strongly influencing each other. A variety of unique and budding challenges are being taken up by each.

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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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