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Blazar Bursts: Theory and Observation

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Deadline for manuscript submissions:

closed (31 May 2024)

Message from the Guest Editor

Dear Colleagues,

Blazars are a subclass of active galactic nuclei, with jets pointing not far from earth, known for their violent variability and high polarization. However, the physical mechanism of blazar burst still remains undiscovered despite the numerous efforts undertaken over the decades. Thus, this Special Issue aims to collate recent research works to gain in-depth insights into the geometrical and intrinsic mechanisms of blazar bursts. This Special Issue, Blazar Bursts: Theory and Observation, will include, but not limited to, the following topics:

1. Observation and analysis on the time series at multiple wavelengths;
2. Spectrum study at short- and long-term timescales for blazars;
3. Observational and theoretical study on the polarization variation of blazars;
4. Correlation study on multiple-wavelength light curves;
5. Abnormal bursts of blazars like tidal disruption events;
6. Observational and model study on quasiperiodic eruptions;
7. Search and identification of supermassive black hole binaries.



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Prof. Dr. Yunguo Jiang
Guest Editor

Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

The multidisciplinary *Universe* journal is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the editorial board, I extend my welcome to this new journal and look forward to hearing from the interested contributors and learning about their valuable research.

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