



Understanding the Gaussianity of the Primordial Universe

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Deadline for manuscript
submissions:

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Message from the Guest Editor

Dear Colleagues,

Assessing the Gaussianity of primordial cosmological perturbations has been an open issue over the last few decades. On the theoretical level, primordial non-Gaussianity is a key feature of most inflationary scenarios, and it has been argued that non-detectability of non-Gaussianity is the only means of falsifying inflation. Currently, the tightest available constraints on primordial non-Gaussianity come from bounds on higher-order correlation functions of anisotropies in the cosmic microwave background radiation. However, only non-Gaussianity of the local type is tightly constrained, whereas a vast parameter space for other kinds of non-Gaussianity is still allowed by data. For this reason, future cosmological experiments plan to address this issue with a variety of techniques and carrying out observations all across the electromagnetic spectrum.

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Dr. Stefano Camera

Guest Editor





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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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