Special Issue

Primordial Black Holes: Observational Strategies

Message from the Guest Editor

It's fifty years since Stephen Hawking laid out the physics of primordial black holes (PBH) and fifty years since the cold dark matter paradigm became the standard model for the formation of structure in the universe. It's time to see if they can be linked. There is one overwhelming obstacle: no PBH has yet been detected or confirmed. Theoretically, PBHs have a mass range from the Planck mass at 21 μg to supermassive black holes at 107 solar masses. Their Hawking radiation would range from many PeV to radio wavelengths. Their gravitational radiation would arise from a density (of up to 1011 c6/G3 gm/cc) far into the quantum gravity regime. It is time to systematically review their detectability across the electromagnetic and gravitational wave spectra.

Guest Editor

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Message from the Editor-in-Chief

The multidisciplinary journal *Universe* 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 Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

Editor-in-Chief

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