

Primordial Black Holes from inflationary perturbations: loss of perturbative predictability?

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Primordial Black Holes are the outcome of rarely large cosmological fluctuations generated during a post slow-roll and non-attractor phase of inflation. Several authors reported a loss of (quantum) perturbative predictability of cosmological perturbations in the transition from the two phases. In this talk I will clarify that, in all physically relevant cases, quantum perturbation theory is guaranteed to work.

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