NEHOP'25 - New Horizons in Primordial Black Hole Physics



Contribution ID: 5 Type: **not specified**

From the inflaton potential to PBH abundance

Monday 19 May 2025 10:10 (20 minutes)

I will discuss how to calculate the PBH abundance and mass distribution starting from the inflationary potential, taking into account stochastic effects and using the compaction function. We determine the radial profiles directly from stochastic calculation, and do not assume Gaussianity. I will outline progress and how to address the remaining open issues.

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Session Classification: PBHs from inflation