

## New Horizons in Primordial Black Hole physics (NEHOP)



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### Primordial black holes from the pre-big bang

*Tuesday, 20 June 2023 15:40 (10 minutes)*

I will discuss the possibility of producing a significant fraction of dark matter in the form of primordial black holes (PBHs) in the context of the pre-big bang scenario. To this purpose, we consider the enhancement of curvature perturbations possibly induced by a variation of the sound-speed parameter  $c_s$  that emerges naturally due to higher-order string corrections. We describe the production both in radiation and in matter dominated era.

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