

Primordial black holes as dark matter

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Primordial black holes (PBHs) are one of the current most interesting candidates to be the dark matter. Not only they fulfill the basic criteria needed for dark matter, they do so without the need to invoke a new set of existing particles. While this might make them look ideal, their formation is not so simple and often requires some form of new physics too. Furthermore a large number of constraints exist coming from the observational consequences they would bring.

In this talk I will give a basic introduction on the topic, putting an emphasis on the constraints on their abundances and on the last remaining window where they could be all the dark matter.

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