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Primordial black hole formation during the QCD phase-transition

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The formation of Primordial black holes is naturally enhanced during the QCD phase transition, because of the softening of the equation of state: at a scale between 1 and 3 solar masses, the threshold is reduced of about 10% with a corresponding abundance of primordial black holes increased by more than 100 times. Such black holes could be an interesting source of gravitational waves emitted during black hole mergers, detected by LIGO/VIRGO.

Presenter: Dr MUSCO, Ilia (INFN , Sapienza University of Rome)

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