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Stochastic GWs from cosmological phase transitions

Tuesday 24 August 2021 16:00 (20 minutes)

I will discuss the current status of the production of stochastic GW backgrounds by cosmological phase transitions. Main focus will be the differences between fully hydrodynamic simulations and the recently presented hybrid approach. I will also touch on recent results on the energy budget of the phase transition and the LISA sensitivity forecasts using likelihood sampling.

Based on arXiv: 2004.06995, 2010.00971, 2107.06275.

Author: KONSTANDIN, Thomas Markus

Presenter: KONSTANDIN, Thomas Markus

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