

”The Dark Energy and Massive Neutrino Universe” cosmological simulations

Thursday, 15 June 2023 16:00 (15 minutes)

I will introduce the DEMNUni simulation set, which accounts for different cosmologies with massive neutrinos and dynamical dark-energy. I will briefly present the scientific results obtained up to now. Then, I will focus on the computational resources (both ISCRA and MoU CINECA-INAF) needed to produce the DEMNUni suite, as well as the long-term storage required to support and maintain the scientific exploitation of such a big amount of data, kindly provided by ISCRA, MoU CINECA-INAF, IA2 and CNAF.

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