

Cosmological scalar field Λ CDM models

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Cosmological models beyond the standard Lambda Cold Dark Matter (Λ CDM) scenario, namely the scalar field Λ CDM models are considered in this talk. The dynamics of the universe and the large-scale structure growth rate in these models in comparison with the standard spatially-flat Λ CDM model are investigated. Constraints on model parameters of Λ CDM models from various data sets are presented.

Author: Dr AVSAJANISHVILI, Olga (E. Kharadze Georgian National Astrophysical Observatory, Tbilisi, Georgia)

Presenter: Dr AVSAJANISHVILI, Olga (E. Kharadze Georgian National Astrophysical Observatory, Tbilisi, Georgia)

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