



Contribution ID: 115

Type: **not specified**

Cosmological tensions

Tuesday 3 May 2022 15:00 (1h 20m)

After introducing the standard model of cosmology and its parameters, I will discuss two important tensions between early and late-time measurements, namely the H_0 tension and the σ_8 tension. Considering a small late-time deviation of the standard model, I will derive fully analytical conditions that any late-time dark energy model has to satisfy in order to solve both tensions simultaneously (see arxiv:2201.11623).

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