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Neutrino properties from Cosmology‘

Friday 26 October 2018 10:00 (30 minutes)

The presence of a cosmic background of relic neutrinos is a robust prediction of the standard cosmological model. A direct detection is extremely difficult and still lacking. Nevertheless cosmological observations are a powerful probe of neutrino properties, and cosmological bounds on neutrino masses and number are in agreement with both theoretical predictions and laboratory searches. In this talk, I will briefly review the basics of neutrino cosmology. I will then focus on current cosmological limits on neutrino properties, and show the prospects from next-generation surveys.

Presenter: GERBINO, Martina

Session Classification: Morning session