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Type: **Ordinary**

Neutrino masses from cosmology

vendredi 16 mars 2018 17:20 (15 minutes)

Cosmological observations represent a powerful tool to constrain neutrino physics, complementary to laboratory experiments. In particular, observations of the cosmic microwave background (CMB) have the potential to constrain the properties of relic neutrinos, as well as of additional light relic particles in the Universe. I will present current constraints on neutrino properties, including their mass and effective number, from the most recent Planck data, possibly in combination with other cosmological probes, especially galaxy surveys. I will also briefly discuss prospects from future experiments, both from the ground and from space.

Summary

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Classification de Session: Friday afternoon: Cosmic rays and gravitation