



Friday 8 July, 14:00 – 14:25

Session 15: Neutrino cosmology

**Neutrino properties from cosmology**

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I will review and discuss what can cosmological measurements tell us about the properties of neutrinos, most importantly how they can constrain absolute neutrino masses and various scenarios involving sterile neutrinos. I will argue that model dependence is not a major problem, but that systematic errors will continue to remain a serious concern. Luckily, in 2020s, we expect three different and systematically independent probes to reach statistical precision that guarantees detection of non-zero neutrino mass at  $\sim 3$  sigma. Such simultaneous detection with different probes will be necessary to convince our particle physics friends in the accuracy of our claims.