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Neutrino cosmology after Planck

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Cosmology is becoming an increasingly powerful laboratory for neutrino physics, with current observations providing stringent bounds on parameters such as the absolute neutrino mass and the cosmological neutrino energy density. I will review the status of the field, and present new results, including an analysis of the Planck CMB measurements. I will also discuss the future of the field, in particular the importance of the upcoming ESA satellite mission EUCLID for neutrino cosmology.

Primary author: HANNESTAD, Steen

Presenter: HANNESTAD, Steen (Aarhus University)