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eV sterile neutrinos as hot dark matter

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Light sterile neutrinos with masses of order 1 eV have been suggested to resolve anomalies in various neutrino oscillation experiments. In a cosmological context, these sterile neutrinos would act as a (hot) dark matter component. I will review their impact on cosmological observables and discuss the observational status following the recent measurements of the cosmic microwave background anisotropies by Planck.

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