

# The 26th International Workshop on Weak Interactions and Neutrinos (WIN2017)

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## Planck constraints on neutrino physics

I will review constraints on neutrino properties from Cosmic Microwave Background, using the recent 2015 data from the Planck satellite. Assuming three species of degenerate active neutrinos, Planck provides the best constraints to date on the total neutrino mass. Planck also provides tight limits on the number of relativistic degrees of freedom in the early Universe and additional sterile neutrino species. I will also review discrepancies between Planck and other astrophysical large scale structure data, and whether these can be explained by modifications to the neutrino sector.

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