



DARK ENERGY **SPECTROSCOPIC** INSTRUMENT

U.S. Department of Energy Office of Science

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number of neutrino species



Neutrinos in cosmology

A generic prediction of the hot Big Bang model is a relic neutrino background which leaves detectable imprints on cosmological observations.

Both the acoustic oscillations in the primordial plasma as well as the background evolution and structure formation

Cosmological observations are sensitive to both the number of neutrino species and their total mass



Sum of neutrino masses

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