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Neutrino mysteries (part II, Cosmological Neutrinos)

Tuesday, July 11, 2006 8:30 AM (1h 45m)

After a brief summary of the evolution of cosmological perturbation in the Friedmann universe, I will show why neutrinos are expected to leave a signature in the spectrum of CMB anisotropies and in the distribution of large scale structures. I will present current cosmological bounds on neutrino physics, based on various types of cosmological observations. Finally, I will intruduce the techniques with which cosmologists expect to probe neutrino masses in the next decades.

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