



Tuesday

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4:00 P.M.

Rm 118 NSH

Cosmological probes of the invisible universe

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In the next decade, precision cosmological data from Cosmic Microwave Background and Large Scale Structure observations will improve in sensitivity by more than an order of magnitude. In addition, gravitational wave signals may allow us to see through the plasma background to study the universe at the very earliest times, immediately after the Big Bang. I will discuss the prospects for using these cosmological signals to study the invisible universe, including the unknown properties of neutrinos and dark sector particles, and quantum fluctuations in the primordial dark age.