

Cosmological neutrinos and fundamental physics

Tuesday, 22 September 2020 13:10 (10 minutes)

The physics surrounding neutrino mass and neutrino interactions presents key research opportunities in elementary particle physics, both in theory and in experiment. Paralleling the developments in those fields, advances in observational astrophysics and cosmology promise unprecedented precision in the measurement of cosmological quantities. In many cases, those quantities are shaped by how the physics of neutrinos plays out in the cauldron of the very early universe and its aftermath. Therefore, we anticipate complementary advances in both the fundamental physics of neutrinos and cosmology.

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Session Classification: Contributed 08