

XXV DAE-BRNS High Energy Physics Symposium 2022



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Current Neutrino Physics: Theoretical Status

Thursday 15 December 2022 17:00 (30 minutes)

Although an integral part of the Standard Model, neutrinos still remain the least understood of all known fundamental particles. There are many open questions in neutrino physics, starting from their very nature to their mass generation, their mixing and oscillation patterns. In this talk, I will cover the current theoretical understanding of neutrinos and the various open questions that remain unanswered. I will also discuss why neutrinos can be the gateway to the elusive beyond Standard Model physics and the various interesting and sometimes surprising connections between neutrinos and Dark Matter, Proton decay etc.

Session

Plenary

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