2026 NOBEL PRIZE

DEPARTMENT OF PHYSICS

IIT KANPUR

PHYSICS SOCIETY OUTREACH LECTURE

Catching Neutrinos at the South Pole: The IceCube Neutrino Observatory

Thursday
12th Nov 2026

5:00pm
Refreshments at 4:30pm

LHC - L20



Dr. Navaneeth Poonthottathil

The 2026 Nobel Prize in Physics was awarded to Francis Halzen for his pioneering contributions to the IceCube Neutrino Observatory and the discovery of high-energy neutrinos from the universe. Neutrinos are the second most abundant particles in the universe after photons. They travel across the universe almost without interacting with matter, carrying information from some of the most energetic events in the universe . In this talk, I will introduce neutrinos and explore how the IceCube Neutrino Observatory, buried deep beneath the Antarctic ice, detects these elusive particles. We will take a closer look at how IceCube works and how its discoveries are helping us understand the universe.

ALL ARE CORDIALLLY INVITED