Canadian Association of Physicists | Association canadienne des physiciens et physiciennes

Contribution ID: **1728** Type: **CLOSED - Oral (Non-Student) / orale (non-étudiant)**

Recent Results from IceCube

Thursday 1 June 2017 14:45 (15 minutes)

The IceCube Neutrino Observatory, completed in 2010, is the world's largest neutrino detector, using a cubic kilometer of Antarctic ice as a Cherenkov medium. With the inclusion of the DeepCore low energy extension, the observatory is able to analyze neutrinos down to 6 GeV in energy, enabling a wide variety of particle physics research in addition to the high energy astrophysics for which it was conceived. This talk will discuss recent results in neutrino oscillations, indirect dark matter detection, searches for astrophysical neutrino sources, as well as the outlook for the IceCube-Gen2/PINGU upgrade.

Author: WEAVER, Christopher

Presenter: WEAVER, Christopher

Session Classification: R3-3 Dark Matter IV (PPD) | Matière sombre IV (PPD)

Track Classification: Particle Physics / Physique des particules (PPD)