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Current results and a future outlook for very large neutrino telescopes

Wednesday 29 May 2024 14:00 (30 minutes)

Over more than a decade, the IceCube Neutrino Observatory has accumulated enormous datasets of neutrinos with energies in the GeV to PeV-scale, opening a new window in searches for beyond the Standard Model physics at the energy frontier. In this talk I will discuss the latest IceCube results, including on-going new searches for sterile neutrinos and dark matter, and provide a look forward of what to expect from the next generation of neutrino telescopes including the Canada-based Pacific Ocean Neutrino Experiment.

Keyword-1

high-energy neutrinos

Keyword-2

IceCube, P-ONE

Keyword-3

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