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Pacific Ocean Neutrino Experiment (P-ONE)

Thursday 4 May 2023 18:00 (30 minutes)

The Pacific Ocean Neutrino Experiment is a new neutrino telescope in the Pacific Ocean. Consisting of 70 instrumented mooring lines, P-ONE aims to detect neutrinos with energies ranging from TeV to PeV, and will cover areas of the sky that are yet uncovered by the other existing neutrino telescopes.

Following two successful pathfinder missions, the P-ONE collaboration is now developing the first mooring line of P-ONE. This mooring line is expected to be deployed in 2024 and will demonstrate the feasibility of a larger installation.

The presentation will give a short overview of the pathfinder missions and the current status of P-ONE.

Virtual

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