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Tipo: Parallel Talk

Prospects and recent results from KM3NeT/ARCA

sabato 9 luglio 2022 11:15 (15 minuti)

The next generation undersea neutrino telescopes of KM3NeT continue to grow on the bottom of the Mediterranean Sea and so does their potential to make exciting discoveries. The larger of the two detectors, KM3NeT/ARCA, is located 3.5 km underwater, 80 km off shore Portopalo di Capo Passero in Italy. Its planned size of one cubic kilometre and unprecedented depth are both linked to its core physics goal: observation of cosmic neutrinos. The current detector configuration has already outgrown its predecessor ANTARES and taken over its role in multi-messenger follow-up studies of transient events. In this talk, an overview of the most recent results obtained with KM3NeT/ARCA is presented. Expected sensitivities for the complete detector are also shown.

In-person participation

Yes

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Classifica Sessioni: Neutrino Physics

Classificazione della track: Neutrino Physics