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Prospects and recent results from KM3NeT/ARCA

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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 detec-tors, KM3NeT/ARCA, is located 3.5 km underwater, 80 km off shore Portopalo di Capo Passero in Ita-ly. 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 pre-decessor 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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