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KM3NeT: The next generation neutrino telescope

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KM3NeT is the future multi-km³ size neutrino telescope in the Mediterranean Sea. The primary aim is the detection of cosmic high-energy neutrinos. Following the completion of the EU funded Design Study and Preparatory Phase Study, and the acquisition of substantial funds, the first phase of KM3NeT was launched early 2013. Its geographical location, angular resolution and size make KM3NeT an ideal instrument to observe neutrinos from Galactic sources. In my talk, I will present the status and future prospects of the KM3NeT project with emphasis on the discovery potential of point-like neutrino sources. Furthermore, the prospects for measuring the neutrino mass hierarchy using the same technology but a different detector layout are discussed.

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