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KM3NeT: an underwater multi-km³ neutrino detector

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The KM3NeT consortium has been carrying on R&D activities towards the construction of a multi-km³ scale deep sea neutrino telescope to detect high-energy astrophysical neutrinos. It will have the Galactic Centre and most of the Galactic plane in its field of view, and it will complement the IceCube detector at the South Pole. Recently the Technical Design Report has been published. It contains the general description of the KM3NeT deep sea research infrastructure. The KM3NeT research facility will represent also a multidisciplinary marine and Earth science observatory, hosting a network of nodes for long term continuous monitoring of the deep sea environment. The objectives, status and plans of the KM3NeT project will be presented.

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