

KM3

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The KM3 collaboration, in the framework of the KM3Net initiative, aims at building a km³ scale Cerenkov neutrino detector in the Mediterranean Sea.

The LNF group has developed the PORFIDO probes adding two 24 bit ADCs with 2 NTC temperature probes read by the WISP and providing two temperature measurements with an accuracy of better than 0.001 °C.

In addition we have realised a prototype of a salinity monitor connected to the same ADC with a resolution of about 1 ppm

The first four PORFIDO probes with high resolution thermometers are installed on one of the tower of KM3Net phase-1 that will be deployed on may 2016 at the final site, 100 km SE of Capo Passero.