



Contribution ID: 585

Type: **Parallel Session Talk**

## Status of KM3NeT

*Saturday, 24 July 2010 13:50 (12 minutes)*

The technical design report of the KM3NeT neutrino detector has been published. In this talk we describe the main features of this future telescope. The detector will be located on the floor of the Mediterranean Sea and will have a total volume of about 8 km<sup>3</sup>. The point source sensitivity for sources near the Galactic Centre will be more than two orders of magnitude better than any other telescope. The physics capabilities for other cosmic processes will also be covered. The technical solutions and innovations employed to achieve the quoted sensitivity will be presented together with a likely timeline for the building of the telescope.

**Primary author:** Prof. KOOIJMAN, Paul (Univ. of Amsterdam)

**Presenter:** Prof. KOOIJMAN, Paul (Univ. of Amsterdam)

**Session Classification:** 14 - Future Machines and Projects

**Track Classification:** 14 - Future Machines and Projects