

IHEF Bachelor Project 2014 - week 14 t/m 26

Naam van project: Development, operation and analysis
of a Photomultiplier test setup for
KM3NeT

Experiment: KM3NeT

Begeleider: Robert Bormuth

Beschrijving project:

With the KM3NeT neutrino telescope being in the first steps of construction the first detectors that are supposed to go to the deep sea are now being characterized. The bachelor student will help developing and operating a setup to characterize photomultipliers, the central hardware for the detection of light produced by neutrinos. To do so, he will be taught to handle the necessary hardware operations and gets involved in the analysis of the data using C++ (Root). Programming and hardware skills are useful but not required

Doel:

- (I) Adapt the existing experiment to parallel PMT measuring.
- (II) Evaluate the results and characterize the PMTs

Week	Activiteit	Opmerking
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