

KM3NeT news

- mPMT/NEUT workshop with KM3NeT & IceCube & **HyperK** 14/15 July at Nikhef
- Muon depth dependence measurement (single KM3NeT string)
=> credits to Martijn Jongen (Nikhef, PhD student),
Jurrien van der Loo (Leiden, bachelor student)

Digital Optical Module (DOM) with
31 PMTs (3 inch)



Rate of n-fold coincidences

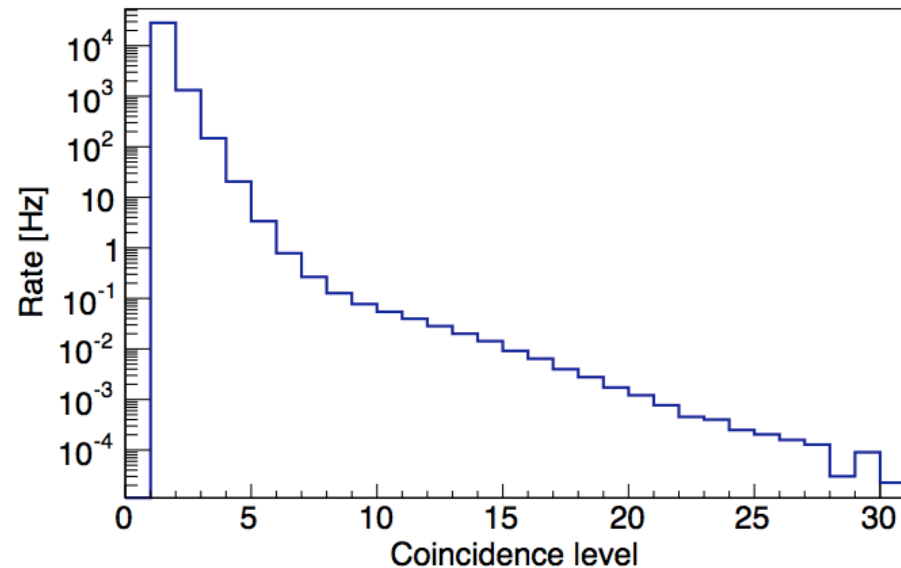


Figure 5.2: The hit rates (on a log scale) for all coincidence levels for all DOMs together from 2 until 31. Notice the little kink around 8-fold coincidences, this is the transition from background affected rates to muon-only rates.

Multifold coincidence rate for the 18 DOMs mounted on the string at different depths

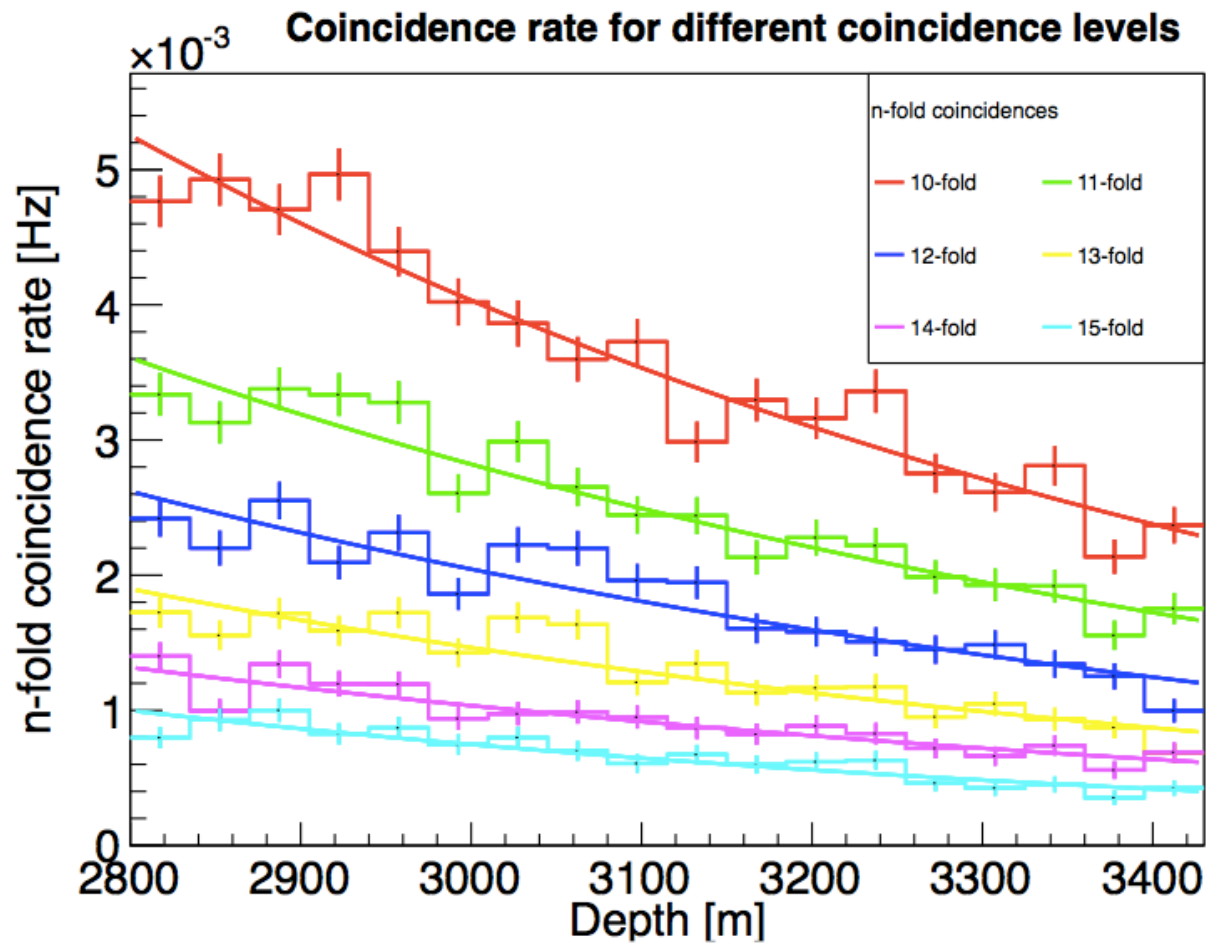


Figure 5.8: The hit rate plotted against the depth of the detector for 10- through 15-fold coincidences. Data has been fitted to an exponential function for each coincidence level.