



Contribution ID: 7

Type: **not specified**

Integration of the Digital Optical Module DOM of the KM3NeT neutrino telescope (TP)

Monday 1 July 2024 16:45 (45 minutes)

The presentation entitled “Integration of the Digital Optical Module (DOM) of the KM3NeT telescope” will focus on these topics:

1. Overview of the KM3NeT collaboration (members, sites, etc.),
2. Description of the KM3NeT neutrino telescope, and the detection principle and methods used (i.e., Cherenkov emission of light),
3. Construction of KM3NeT: DOM integration activity in Rabat.

o A practical session is proposed for the participants, it will include:

1. A visit to the site accompanied with a description of the tools and machines used in DOM integration,
2. An exercise on the optical fiber splicing used to establish communication with the DOM (participants will have the opportunity to do the optical fiber splice operation),
3. Showcase on the helium leak test machine used to test DOMs waterproofing.

Presenter: BOUMAAZA, Jihad