Contribution ID: **70** Type: **Oral**

KM3NeT/ORCA: Updates of neutrino oscillation measurement

Tuesday 22 August 2023 14:40 (20 minutes)

The KM3NeT collaboration is building two neutrino detectors in the Mediterranean Sea. The KM3NeT/ORCA detector has been optimized for the detection of atmospheric neutrinos with energies between few GeV and 100 GeV. Among the primary goals are the measurement of the neutrino oscillation parameters and the determination of the neturno mass ordering. A correct interpretation of the measurements requires the understanding of the different sources of systematic uncertainties. This talk addresses the uncertainties associated to neutrino interaction models, which are encoded in the so-called neutrino MC generators. In particular, the differences between GENIE, the neutrino generator used by KM3NeT and the GiBUU generator are explored at the level of systematic uncertainties and their impact on sensitivity estimates. In this contribution an overview of the recent updated results from KM3NeT/ORCA and the neutrino generator environment for Monte-Carlo simulations in KM3NeT will be presented.

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Session Classification: parallel (room#101)

Track Classification: WG1: Neutrino Oscillation Physics