PAiP-2025 conference "Particle Astrophysics in Poland"



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KM3NeT: UHE neutrinos & more

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The network of two next-generation underwater Cherenkov neutrino telescopes: ARCA and ORCA is being successively deployed in the Mediterranean Sea by the KM3NeT Collaboration. The focus of ARCA is neutrino astronomy, while ORCA is mainly dedicated to neutrino oscillation studies. Both detectors are already operational in their intermediate states and collect valuable results, including the measurements of the atmospheric muons produced by cosmic ray interactions. This talk will discuss the recent exciting physics results of KM3NeT and give an overview of the Polish activity within the experiment.

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