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Joint Ultra-High-Energy neutrino searches

After the observation of KM3-230213A event, a cosmic neutrino with an estimated energy of 220 petaelectronvolts, the exploration of the ultra-high-energy neutrino spectrum has started. As current Cherenkov telescopes are not optimized for this range, combining observations from various experiments is crucial to further constrain the neutrino flux above a few petaelectronvolts. This will enable studying the contribution of a cosmogenic signal, or the related source populations, eventually different form the ones probed at lower energies.

Efforts have started to perform such a study with a joint working group betwenen the IceCube, KM3NeT and Pierre Auger collaborations. We would take the benefit of the GNN meeting to extend the discussions to the community, giving a short overview talk on the state-of-the-art and current plans, followed by a parallel discussion with everyone who may be interested in contributing.

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