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Search for Ultra-High-Energy neutrinos at the Pierre Auger Observatory

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The Pierre Auger Observatory is sensitive to extended air-showers induced by ultra-high-energy neutrinos of all flavors as they interact with the atmosphere and inside the earth. These air-showers display characteristic features that allow their identification. We report on recent searches for ultra-high-energy neutrinos at the Pierre Auger Observatory. We present the different identification criteria used, discuss the sources of background and systematic uncertainties, and place the corresponding limits on the neutrino fluxes.

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