

Sub-PeV gamma-ray astronomy with Carpet

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Carpet is an air-shower array at Baksan, Russia, equipped with a large-area muon detector, which makes it possible to separate primary photons from hadrons. We report results of the search for primary photons with energies $E > 300$ TeV, including diffuse and point-source fluxes or limits, in particular for gamma rays associated with the IceCube neutrino flux. Final data obtained with Carpet-2 (175 square-meter muon detector) as well as the sensitivity and first light of Carpet-3 (410 square-meter muon detector) will be presented.

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