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Telescope Array search for photons and neutrinos with the surface detector data

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We report on a search for ultra-high-energy photons with a multivariate analysis technique based on the properties of shower fronts of events observed by the Telescope Array surface detector. We present the point source photon flux upper limits for all directions in the Northern hemisphere. The revised constraints on the diffuse flux of the primary photons with energies greater than 10ˆ19 eV are also presented. We also report on results of a down-going neutrino search.

Collaboration

Telescope Array

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