

Gamma-ray Observation of the Cygnus Region with the Tibet Air Shower Array

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The Tibet air shower (AS) array and underground water-Cherenkov-type muon detector (MD) array have been successfully operated since 2014, at an altitude of 4,300m in Tibet, China. The gamma-ray energy and arrival direction are determined by the Tibet AS array, while the MD array enables us to suppress more than 99.9% of background cosmic rays above 100 TeV, by means of counting the number of muons in an air shower at 2.4m underground. We report on the observation of gamma-ray emission from the Cygnus region in our Galaxy.

Keywords

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Collaboration

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Tibet AS-gamma

Subcategory

Experimental Results

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