

The large-scale anisotropy of TeV galactic cosmic-ray intensity measured by the Tibet-III air-shower array

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The large-scale anisotropy of the galactic cosmic-ray intensity from -10 to 70 degree in declination is observed by the Tibet-III air shower array during the four years period from Nov. 1999 to Nov. 2003. The preliminary results from three data samples (4.0 TeV, 6.2 TeV and 12 TeV) show the energy dependency of this anisotropy is quite weak. The Compton-Getting anisotropy due to the terrestrial orbit motion around the Sun is also observed. This is the highest-precision measurement of sidereal anisotropy ever made in the Northern sky.