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## Observation of cosmic rays anisotropy above TeV energies in IceCube

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The IceCube neutrino detector, buried under the South Pole ice, has been completed in December 2010 with all 86 strings deployed. Between May 2009 and May 2010 the detector, operating in a smaller configuration with only 59 strings, has recorded 32 billion muons produced in cosmic ray-induced air showers, with energies above 10 TeV. With this large number of events we can, for the very first time, probe the southern sky for anisotropy in the arrival direction of cosmic rays in this energy range.

In this contribution we present the first observation of cosmic ray anisotropy at different angular scales in the southern sky. We study the energy dependence of the anisotropy and compare to observations made previously with detectors in the northern hemisphere.

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