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## Full-Sky Analysis of Cosmic-Ray Anisotropy with IceCube and HAWC

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During the past two decades, experiments in both the Northern and Southern hemispheres have observed a small but measurable energy-dependent sidereal anisotropy in the arrival direction distribution of galactic cosmic rays. The relative amplitude of the anisotropy is  $10^{-4} - 10^{-3}$ . However, each of these individual measurements is restricted by limited sky coverage, and so the pseudo-power spectrum of the anisotropy obtained from any one measurement displays a systematic correlation between different multipole modes  $C_{\ell}$ . To address this issue, we present the current state of a joint analysis of the anisotropy on all angular scales using cosmic-ray data from the IceCube Neutrino Observatory located at the South Pole (90° S) and the High-Altitude Water Cherenkov (HAWC) Observatory located at Sierra Negra, Mexico (19° N). We present a combined skymap and an all-sky power spectrum in the overlapping energy range of the two experiments at ~10 TeV. We describe the methods used to combine the IceCube and HAWC data, address the individual detector systematics and study the region of overlapping field of view between the two observatories.

## Collaboration

IceCube

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