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## **Cosmic-ray Spectrum, Composition, and Anisotropy Measured with IceCube/IceTop**

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Analysis of cosmic-ray surface data collected with the IceTop array of Cherenkov detectors at the South Pole gives an accurate measurement of the cosmic-ray spectrum and its features in the “knee” region and at higher energies up to about 1 EeV. IceTop is part of the IceCube Observatory, a cubic kilometer Cherenkov detector deployed under IceTop in the polar ice sheet, which reconstructs tracks of deeply penetrating muons. The surface and in-ice signals detected in coincidence provide clear insights into the nuclear composition of cosmic rays. IceCube/IceTop already measured an average heavier composition after the knee. We present preliminary results on both the IceTop only analysis and the coincident event analysis. Furthermore, we discuss the implications of the recent measurement of the cosmic-ray anisotropy with IceTop.

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