Abstract Submitted
for the APR18 Meeting of
The American Physical Society

An update on the IceCube enhanced starting track event selection and realtime stream SARAH MANCINA, KYLE JERO, Univ of Wisconsin, Madison, ICECUBE COLLABORATION — IceCube is a detector built in the South Pole ice that observes astrophysical neutrinos as an unambiguous signature of the origin of cosmic rays. IceCube analyses which look in the southern sky face a large background of atmospheric neutrinos and muons. In this talk we will present an event sample which selects for muon tracks from neutrinos which begin inside the detector and rejects incoming backgrounds. The selection determines if an event starts inside the detector or not based on the events reconstructed direction and hit pattern. This starting track selection has a high astrophysical neutrino purity above 10 TeV in the southern sky. We will present our most recent results from our neutrino point source and diffuse flux searches and provide a look at the realtime events stream derived from the selection.

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Date submitted: 12 Jan 2018 Electronic form version 1.4