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## **Search for Astrophysical Neutrino Transients with IceCube DeepCore**

DeepCore is a part of IceCube that enhances IceCube's sensitivity in the low energy range enabling the search for astrophysical transient sources, e.g., choked gamma-ray bursts (GRBs). We present sensitivities to transient timescales between 100 seconds and 1 week in an energy range from 10 to 200 GeV. A dataset that is obtained from a newly developed low energy event selection is used in our analysis. We show that the DeepCore can be reliably used to search for transients between a declination range from  $-30^\circ$  and  $+30^\circ$

### **Mini-abstract**

Sensitivities of IceCube DeepCore to 100s-1week neutrino transients in the 10-200 GeV range.

### **Experiment/Collaboration**

IceCube Collaboration

**Primary author:** CHEN, Chujie (Georgia Institute of Technology)

**Presenter:** CHEN, Chujie (Georgia Institute of Technology)

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