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## The Galactic Contribution to IceCube's Astrophysical Neutrino Flux

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High energy neutrinos have been detected by IceCube, but their origin remains a mystery. Determining the sources of this flux is a crucial first step towards multi-messenger studies. In this work we systematically compare two classes of sources with the data: galactic and extragalactic. We build a likelihood function on an event by event basis including energy, event topology, absorption, and direction information. We present the probability that each high energy event with deposited energy  $E_{\text{dep}} > 60$  TeV in the HESE sample is galactic, extragalactic, or background. The galactic fraction of the astrophysical flux has a best fit value of  $0.07^{+0.09}_{-0.06}$  and zero galactic flux is allowed at  $1.2\sigma$ .

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