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## **Searching for Neutrinos from the Milky Way Galaxy: Results from a Decade of Data from IceCube**

The IceCube Neutrino Observatory, situated at the South Pole, has detected all-flavour astrophysical neutrinos with energies exceeding  $\sim 1$  TeV, providing a unique perspective on the physics of cosmic ray acceleration and propagation. In this study, we analyse a decade of data and use three event types—through-going tracks, showers, and starting tracks—to maximise our discovery potential across the entire sky. We report our findings on searches for both diffuse and point source neutrino emissions from the Milky Way Galaxy.

### **Submitted on behalf of a Collaboration?**

Yes

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