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## Review on galactic neutrinos

*Tuesday, 18 June 2024 10:00 (20 minutes)*

Interactions of high-energy protons and nuclei in the Galaxy contribute to the gamma-ray and neutrino signals from the sky in the TeV-PeV energy range. I will review recent results on the search of neutrinos from the Milky Way in this energy range with IceCube and ANTARES telescopes, including recently reported evidence for the overall diffuse emission from the interstellar medium and emission from parts of the Milky Way disk, such as the Galactic Ridge and Cygnus region. I will compare the Galactic neutrino search results for the diffuse emission and individual isolated sources with the recent gamma-ray measurements and discuss implications of these multi-messenger results for the understanding of Galactic cosmic rays.

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