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# The Milky Way In High-Energy Neutrinos - From the Intersection of Astrophysics and High-Energy Particle Physics

*Friday 13 June 2025 10:45 (30 minutes)*

The Universe has been studied using light since the dawn of astronomy, when starlight captured the human eye. While astronomy has grown to include different wavelengths of the electromagnetic spectrum, "Neutrino Astronomy" offers a new way to observe and understand our high-energy Universe through neutrino particle physics as. In 2023, our own Galaxy was observed for the first time in neutrinos, making this the first non-electromagnetic image of the Milky Way. This talk covers Neutrino Astronomy as the intersection of astronomy, particle physics, and high-energy physics, and what it can offer to each of those fields.

## Keyword-1

Neutrino Physics

## Keyword-2

Particle Astrophysics

## Keyword-3

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