

# Neutrino Astronomy Highlights from the IceCube Neutrino Observatory

*Tuesday, 18 June 2024 16:30 (25 minutes)*

The IceCube Neutrino Observatory is a neutrino telescope that uses the glacial ice at the South Pole to capture high energy neutrinos, probing extreme phenomena in our Universe. In this talk I will present recent highlights from the collaboration, including our latest results characterizing the properties of the diffuse astrophysical flux, a multi-energy neutrino search in connection with the brightest ever gamma ray burst, and the first image of our galaxy in neutrinos. I will then discuss future prospects for advancing the field with IceCube-Gen2.

## Poster prize

**Given name**

**Surname**

**First affiliation**

**Second affiliation**

**Institutional email**

**Gender**

**Collaboration (if any)**

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