



Contribution ID: 244

Type: oral

## Investigating IceCube's highest-energy neutrinos

*Tuesday, 24 September 2024 18:08 (17 minutes)*

IceCube's highest-energy neutrinos (alert events) are among the purest astrophysical neutrino selections. Some of these events are expected to point back to their cosmic counterparts. We search for patterns within these events to gain further insights into their cosmic origins. Here, we report searches for multiplets and correlations in arrival times that could help pinpoint astrophysical phenomena. Additionally, we search for gamma-ray-detected blazars as counterparts within the uncertainty regions of alert events.

**Primary author:** KARL, Martina (European Southern Observatory / Technical University of Munich)

**Presenter:** KARL, Martina (European Southern Observatory / Technical University of Munich)

**Session Classification:** Astrophysical Multimessenger techniques & observations - 2