

GFU-cluster alerts in IceCube and Extension to joint IC-KM3NeT

Monday, 25 May 2026 16:15 (15 minutes)

I would like to present recent developments in IceCube's GFU-cluster alerts along with preliminary efforts to extend this framework to a joint IceCube-KM3NeT alert stream for identifying neutrino flares. The GNN meeting would be an excellent venue for this discussion as it brings together the neutrino telescope community and provides a forum to exchange ideas on the technical and organizational challenges of real-time data sharing. Despite the many difficulties, a joint-experiment real-time system would improve the robustness and timeliness of neutrino flare alerts for the multi-messenger community.

Primary author: MANCINA, Sarah Louise

Presenter: MANCINA, Sarah Louise

Session Classification: Topical Sessions

Track Classification: Higher Level Data Analysis