

# Realtime Follow-up of astrophysical transients with the IceCube Neutrino Observatory

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- IceCube is well-poised to not only issue neutrino alerts but also *rapidly respond to astrophysical transients in real time*
- Since 2016, a low-latency pipeline has been running to try to identify interesting astrophysical neutrino transients
- We have used this pipeline not only to respond to external triggers, but also to followup IceCube alert events
- No significant detections to date, but current limits constrain individual bright astrophysical transients
- Future limits will constrain populations of neutrino sources