



Contribution ID: 6

Type: **Parallel Talk**

Neutrino follow-up with the Zwicky Transient Facility: Results from the first 24 campaigns

Thursday 11 August 2022 15:00 (20 minutes)

The Zwicky Transient Facility (ZTF) performs a systematic neutrino follow-up program, searching for optical counterparts to high-energy neutrinos with dedicated Target-of-Opportunity observations. Since first light in March 2018, ZTF has taken prompt observations for 24 high-quality neutrino alerts from the IceCube Neutrino Observatory, with a median latency of 12.2 hours from initial neutrino detection. I will summarise the results of this program, and the implications for the origin of astrophysical neutrinos.

Collaboration name

ZTF

Primary author: STEIN, Robert (Caltech)

Presenter: STEIN, Robert (Caltech)

Session Classification: Gravitational Wave and Multimessenger

Track Classification: Gravitational wave and multimessenger