



ID de Contribution: 31

Type: **Non spécifié**

## Vetting Fast transients with LSST : preparatory work with ZTF

*mercredi 26 novembre 2025 09:40 (20 minutes)*

The LSST will provide an excellent opportunity to study a wide range of fast transients and to better understand the diverse physical mechanisms driving explosive astrophysical events. During the first month of my PhD, I conducted research aimed at distinguishing rapid explosive transients and performed systematic scans using the Skyportal platform and the private ZTF alert stream. These same cuts will then be adapted and applied to the LSST, and I will share my findings based on my month-long experience with the ZTF.

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**Classification de Session:** Science talks