

Łukasz Wyrzykowski (OAUW), Alerts in LSST - a challenge of the depth and volume

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Vera Rubin Observatory is going to flood the community with millions of alerts every day. These will be due to supernovae and other exotic extragalactic transients, as well as local Galactic transient events such as cataclysmic variables, microlensing events and many others. The unprecedented depth of the survey, reaching around 25 mag per single epoch, will pose a huge challenge for any follow-up facility, both photometric and spectroscopic. I will discuss the difficulty and possible solutions to how are we going to tackle this issue. I will present the global telescope network, BHTOM.space, which is getting ready to pick and observe selected alerts from LSST.

Session Classification : Stellar astrophysics & transients