Contribution ID: **5**   Type: **Talk**

Lens Searches for transients and variable sources

Monday, 25 January 2021 23:00 (25 minutes)

I will give an overview of systematic lens searches (including machine learning based approaches) being conducted in the ongoing imaging surveys to find transients or variable sources which can allow us to put constraints on cosmological parameters or often times, give insight into the astrophysics. I will also talk about new methods proposed to be used in upcoming surveys such as LSST, their strengths, complementarity and possible directions for improvements.

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