

TDE Meeting Notes 20210324

Welcome George Khorunzhev (IKI) to our group!

Round of introductions

George is interested in AGN and Blazars selected in Xray, as well as TDEs in eROSITA data.

Scanning -- Erica

<https://fritz.science/source/ZTF21aanxhjv>

This is a good candidate, triggered SEDM

<https://fritz.science/source/ZTF21aaeoitd>

Suvi will trigger Swift on this one

Vikram's proposal

2020B, ask for two LRIS nights to do TDE science.

Suvi: better to ask for four (or even six) half nights.

Going beyond classification to probing the kinematics of TDE accretion flows. There are multiple science cases for getting multi-epoch spectra. (complex line profiles, interesting evolution of line strength, double peak-ed lines, change of subclasses from H-rich to He-rich).

Suvi will send references and Yuhuan will try to justify the science case.

Other updates:

- Erica will put in a fast turn-around Gemini proposal -- will send a draft at the end of this week. The observation will only start in May. Only 20 hours of FT time per month. Will try this time.
- Erica is working on all ZTF-I light curves. MOSFIT results.
- Jean had been studying the two weird VLA TDEs
- Yuhuan is working on ESI proposal with Shri & George on eROSITA TDEs to get BH mass
- Suvi triggered Swift on Fennec and two other sources.
- Wenbin: working on how the X-rays can escape the envelope that generates the optical emission. This is a time dependent question.
- Matthew: AGN availability on LSST; going through nuclear transients that Fritz is identifying. Looking into the deep learning score of ZTF TDEs. The scanners should see how the flag correlated with our scanning.