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Newsletter #130 June 3rd 2020

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NASA proposal approved TESS observations with ZTF

From NASA: *"I am pleased to inform you that your proposal, "Providing context for TESS observations: Coverage of TESS sectors with the Zwicky Transient Facility" for participation in the TESS Cycle 3 Guest Investigator Program, has been selected for funding."*

Tom Prince has had a \$140k proposal approved by NASA for continued TESS observations using ZTF. The proposal received very positive comments from the review panel. The funding will be used to support ZTF-II project staff. This is the first extra funding that Tom brings to ZTF-II; during ZTF-I he procured over \$700k in additional funding for support of ZTF computers and staff, mostly from asteroid-related proposals. In addition, Przemek Mroz was funded for TESS observations of black hole candidates in detached binaries found using ZTF photometry.

News from working groups

Solar System: "Other surveys have identified 2019 LM4, an asteroidal object found by ZTF in 2019, as a comet. We did a search in the ZTF archive and found that this comet (now designated as P/2019 LM4 Palomar) likely had two significant outbursts when it was discovered/recovered. [Results](#) published on RNAAS."

Machine Learning: "The ML group continues to focus on variability, and classifiers for several pairs of classes have been developed as labelers have provided many labels from within and without ZTF. The SEDM SNe classification project continues. Christoffer will be providing updates this Thursday at the ML meeting (2 PM PT)."

AGNs and TDEs: "We are excited about the coincidence of another high-energy neutrino with a rare source type from our sample of nuclear flares. This time it's one of the Baratheons (see Sara's slides of the presentation of the Berlin collaboration meeting, [ZTFbh_Berlin_v2.pdf](#)). We are working to get more multi-wavelength data for this source."

Multimessenger: "We followed up the latest high-energy neutrino alert, IC200530A, with ZTF this week. We found several potential counterparts that we are still investigating. One intriguing possible counterpart is ZTF19aatubsj (aka Tywin), identified as one of the "Baratheons" (NLSy1 flares) by the AGN/TDE group. Together we are considering possible follow-up options."

The papers corner:

Please keep us updated about your submitted/published papers, they will be advertised here. Please send Joy Painter, the Astronomy Librarian at Caltech, links to papers as soon as they are published. They will be kept track of [here](#).

Reminders:

- PublicAlerts: There is a [link](#) to the alerts archive on the [website](#)!
- Please help us keep track of all the available softwares! A preliminary list is available on the [twiki](#). Let us know if you are building a software which you think could benefit (or be relevant to) a large portion of the collaboration.
- **ZTF general slack channel**: Please join through this [link](#)!
- If you want to get access to the **ZTF data** via the IRSA interface, please request data access to the communication coordinators: ztf.communication.coordinators@gmail.com
- **Archive GUI** now ready! The interactive image search, filtering and visualization tool is now ready ().
- The **ZTF Twitter account** is now active! <https://twitter.com/ztfsurvey> Re-tweet @ztfsurvey!
- To use the **url shortener**(e.g. during telecons, talks, in emails), navigate to <http://zwicky.tf/shorten> (username: ztf password:16chips) and type in the URL you want shortened.
- The **Wiki page** is active! Check it out at <http://zwicky.tf/wiki>. To request access, please email us at ZTF.communication.coordinators@gmail.com

"I never think of the future - it comes soon enough" - Albert Einstein

Have a good and productive week!

Erik and Igor