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Newsletter #106, November 20th 2019

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Lightening strikes at Palomar!

Lightnings stroke Palomar mountain last night. They caused a power outage, but no additional damage was reported.

News from the GROWTH marshal (by Ashot Bagdasaryan)

"This week we have fixed issues that prevented access to the master calendar, the page where users add followup runs, and the account page."

Next collaboration meeting in Berlin!

Please save the date for the next ZTF collaboration meeting, which will take place in Berlin **March 23-25 (2020)**. We will combine this with an open mini-workshop focusing on multi-messenger astronomy on March 26-27, so please consider staying for the week. Full meeting info [here](#)"

News from working groups

AGNs and TDEs: "We recently obtained Swift observations of our sample of changing-look LINERs (8 total), which show evidence for a correlation of hardness and accretion rate, in analogy with state transitions of X-ray binaries in outburst. Plus we are monitoring the recent flares of the famous CL AGN iPTF-16bco (as well s ZTF18aasszwr and ZTF19aambzmf), to look for spectral variability associated this these flares. Our latest TDE candidate is ZTF19accmaxo, but its spectroscopic classification remains unclear."

Solar system: "The super-fast rotation has been conducted during Oct 22nd - Nov 2nd. The data is downloading and under analysis. Twilight survey is ongoing every other nights."

Cosmology with SNe Ia: ""We are now looking into joint work with the RCF WG to create final SNIa lightcurves. The goal will be to minimize confusion in the community and create a common photometry pipeline for the creation of ZTF lightcurves.""

Physics of Supernovae and Relativistic Explosions: "At last's telecon, Steve gave an update on the candidate pair-instability supernova SN2018ibb/ZTF18acenqto. SN2018ibb is over 300 days old but has remained bright. In August, SN2018ibb entered the nebular phase. Thanks to approved DDTs at the LBT and VLT, his team will be able to study this critical phase in great detail and hopefully uncover which star gave rise to this explosion."

Multimessenger: “The unmodeled gravitational-wave burst S191110af was retracted by the LIGO/Virgo collaboration. The source is no longer considered to be astrophysical in origin. No ZTF follow-up was triggered for this event.”

The papers corner:

The Solar System group also submitted and posted on Arxiv another paper interstellar comet 2I/Borisov: "[Pre-discovery Activity of New Interstellar Comet 2I/Borisov Beyond 5AU](#)"

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](#).

More openings for the Helmholtz-Weizmann Research School

The second call for applications for the Helmholtz-Weizmann Research School on Multi-messenger Astronomy was announced to the collaboration via email. Please help us spread the word by forwarding this to prospective PhD student candidates. More information about the school can be found below and at www.multimessenger-school.de. A poster can also be found on the webpage of the school.

Reminders:

- PublicAlerts: There is a [link](#) to the alerts archive on the [website](#)!
- Please help us keeping 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 by emailing us!
- 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://zwickytf.shorten> (username: ztf password:16chips) and type in the URL you want shortened.
- The **Wiki page** is active! Check it out at <http://zwickytf/wiki>. To request access, please email us at ZTF.communication.coordinators@gmail.com

“Berlin is my favourite city” Logan Lerman

Igor and Maayane