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Newsletter #139 September 9th 2020

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News from working groups

Galactic and M31 Science: “The Galactic plane I-band survey is close to completion. The lower Galactic plane fields have set now, and we have collection 150+ I-band epochs. In general; we keep analyzing the new data, both PSF photometry and alerts, which continue to yield interesting objects.”

Cosmology with SNe Ia: “Last week at the Cosmology SWG telecon we discussed plans and projects for ZTF2. We discussed follow-up proposals, e.g. early time spectroscopy to characterise Ia progenitors, NIR spectroscopy of SNe Ia to search for He I. In addition, follow-up from the discussion on SN siblings, i.e. two SNe in the same host galaxy, Jakob showed a summary of the nearby SN II-P ZTF19abqhobb which exploded in the same galaxy as ZTF18aasdted, a well-characterised SN Ia. This allows for a completely independent calibration of the SN Ia luminosity from an expanding photosphere method distance to the II-P. We discussed the possibility of following up such SN pairs in ZTF2 and will continue the discussion this week in collaboration with the SN physics SWG.”

Multimessenger: “The follow-up of ZTF20abwysqy, the optical counterpart to short-duration GRB200826A, is on-going. Deep follow-up may allow us to tell if the burst (thus the optical afterglow discovered by ZTF) was generated by a neutron star merger or a collapsar.”

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

"It is what we know already that often prevents us from learning." - Claude Bernard

Have a good and productive week!

Erik and Igor