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Newsletter #131 June 11th 2020

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News from working groups

Solar System: “Michael Kelly from UMD provided an update on comet observations with ZTF: ZTF observed 17 comets with outbursts since ZTF's first light, some with multiple outbursts. From those 17 comets, 11 have outbursts that were discovered by our team using ZTF data. I have analyzed ZChecker's photometry database, and estimate that we have photometry of 289 comets, and have at least 37,000 measurements altogether.”

Physics of supernovae and relativistic explosions: “Christoffer Fremling presented a machine-learning tool to classify transients using a recurrent-neural-network architecture. The goal is to distinguish between SNe-Ia and non-SNe-Ia using SEDm spectra. The ultimate goal is to push high-confidence Type Ia classifications automatically to the TNS. The classifier is able to deduce the redshifts with similar precision to SNID. Christoffer is working on training the neural network to make predictions on the SN phases, as well.”

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](mailto:ZTF.communication coordinators@gmail.com)

“One benefit of summer was that each day we had more light to read by.” - Jeannette Walls

Have a good and productive week!

Erik and Igor