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Newsletter #154 February 3rd 2021

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News from working groups

Cosmology with SNe Ia:

“We are currently in an active re-organisation phase. We are putting together all the pieces for the DR1 ZTFCosmo dataset (ZTF18* Ia) and we created [a dedicated repo](#). We are also gathering all the associated projects for a gain in clarity and visibility both among ourselves and within the ZTF-collaboration.”

Physics of supernovae and relativistic explosions:

“Ido presented his ongoing project on core-collapse supernovae in elliptical galaxies. In general, elliptical galaxies show no sign of recent star formation. However, a small number do show evidence of recent star formation. Is this enough to form massive stars, i.e., the progenitors of CCSNe? Are these CCSNe different from the bulk of the CCSN population? Ido found 2 regular Type II and 1 Ic SNe in elliptical galaxies. That excludes a rare type of CCSN or SN progenitor and suggests that these elliptical galaxies are star-forming. The second focus of this project is on the hosts. For that aspect, Ido also includes the PTF sample to maximize the sample statistics. He uses this combined sample to answer the questions on 1) what drives the star-formation in these early-type galaxies, 2) what percentage of early-type galaxies are star-forming, and 3) what is the fraction of CCSNe in early-type galaxies.“

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
- 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

“Science and everyday life cannot and should not be separated.”

- Rosalind Franklin

Have a good and productive week!!

Erik and Igor