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Newsletter #155 February 10th 2021

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News from working groups

Cosmology with SNe Ia:

“We are continuing to restructure the Ia-group. For we have many newcomers (especially at IN2P3) we reintroduce ourselves at the last telecon and we decided to restart from scratch the twiki, please have a look [here](#).

The new time slot for the IaCosmo telecon is at 3pm Europe-time (6am California). The telecon will now be structured as follows:

- 25min Ia-Astro (Ia of the week, follow up discussion and science presentation on peculiar / small sample analysis)
- 25min Ia-Cosmo (where are we in the survey, science presentation about large-sample analysis)
- 10min Calibration-computing (new tools, news about Broker (AMPEL) and calibration effort)”

Physics of supernovae and relativistic explosions:

“Join the [#call_for_proposals](#), [#hot_transients](#), and [#sn_wg_topics](#) channels on the ZTFtransient slack to discuss proposals, interesting transients, and topics for our weekly telecon.

Samantha implemented an improved python version of SuperFit which also comes with an updated template library and is available on [github](#).

Adam is preparing a proposal for a Gemini Long and Large Program that would allow us to obtain a large number of Gemini spectra for slowly evolving transients discovered by the Bright Transient Survey. He moreover started a [youtube channel](#) to support the [ZTF citizen science program on zooniverse](#).”

Multimessenger:

“We had an exciting week in our ZTFReST program, where we aim to identify compelling kilonova candidates in near real-time in ZTF data. First, on Friday we detected the fast declining transient [ZTF21aagwbjr](#), where further analysis revealed that the transient had occurred near the center of the error region of long GRB 210204A with a first detection 45 minutes after the GRB was triggered. We promptly alerted the community via [ATel/GCN](#) about this optical afterglow candidate, and it was quickly [confirmed](#) as such. Second, on Sunday we detected the fast declining transient [ZTF21aahifke](#). This transient does not appear to be associated with any GRB triggers, but as it may be an orphan afterglow, we again circulated an [ATel/GCN](#). Follow-up is ongoing.”

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

“People who think they know everything are a great annoyance to those of us who do.”

- Isaac Asimov

Have a good and productive week!!

Erik and Igor