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Newsletter #100, October 3rd 2019

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### **News from the SSC**

“We have recently put out a call to the Science Working Group co-chairs to request proposals for P48 observing strategy for the period covering October 15 – March 15. The deadline for these proposals is October 8, and ideally they would be routed through the relevant Science Working Group. If you have interest in this we encourage you to contact the relevant SWG co-chair(s) and/or the SSC chair (Brad Cenko – [brad.cenko@nasa.gov](mailto:brad.cenko@nasa.gov)) for additional information.”

### **News from IPAC**

October 10, 8-12 PDT, **archive services will be down.**

### **News from working groups**

**AGNs and TDEs:** “Warning, artificial intelligence (AI) is taking our jobs! ZTF’s most recent TDE discovery, “Melisandre” (ZTF19abzrhgq) was actually alerted to the community as a potential young SN by the ALerCE machine-learning powered alerts broker. It was then spectroscopically classified by the UCSC group as a TDE at  $z=0.0151$ , the lowest redshift TDE to date! Our ZTFbh SWG, only partially powered by robots, posted an ATel #13127, on a UV-bright and X-ray bright nuclear transient “Stannis” (ZTFabvgxrq), with a spectrum similar to the Trakhtenbrot et al. 2019 class of flaring SMBHs with Bowen fluorescence features. It continues to brighten in the X-rays, and is being monitored by NICER.”

**Solar System:** “. On the NEO side, we discovered two new NEOs this week, [2019 SY3](#) and [2019 SZ2](#). 2019 SY3 is an Apollo asteroid that crosses the orbit of the Earth, and 2019 SZ2 is an Amor which does not cross the orbit of the Earth but comes within 1/4 of an au, but has a size between 500 and 800 m in diameter.”

**EM/GW and neutrino counterparts:** “We found a young supernovae, SN 2019pqh, in spatial coincidence with the high-energy neutrino alert IC190922B, which we announced in an [ATEL](#). [NOT classified the SN as II/IIb](#) and found that it's surprisingly bright. We will collect more data on this source to understand if it could be connected to the high-energy neutrino.”

### **Jobs:**

Postdoc position on multi-messenger astronomy at DESY (with strong connections to the Humboldt University activities). Find [here](#) more or contact Marek Kowalski if you have questions.

### **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 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 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](mailto: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)

**Special 100th newsletter anniversary!**

*"I have tried 99 times and have failed, but on the 100th time came success "* – Albert Einstein

Have a great and productive week!

Thomas and Maayane