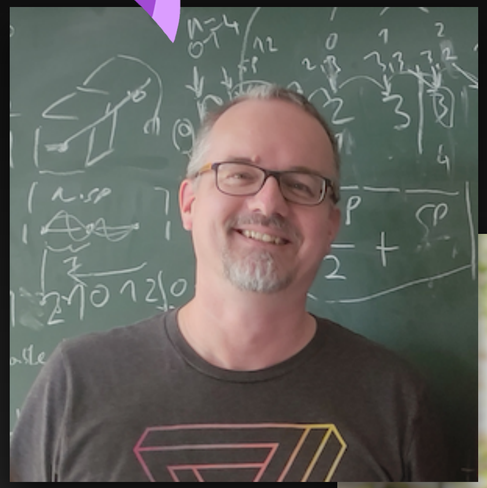
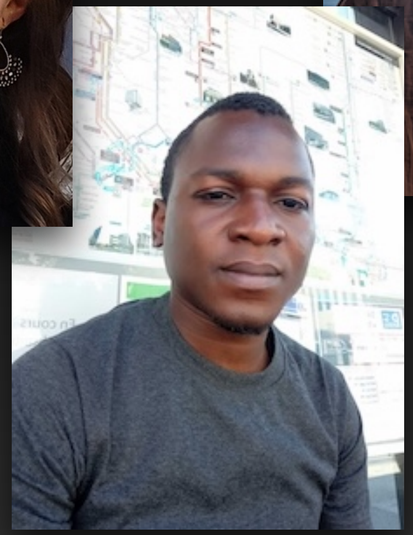
Astro-COLIBRI





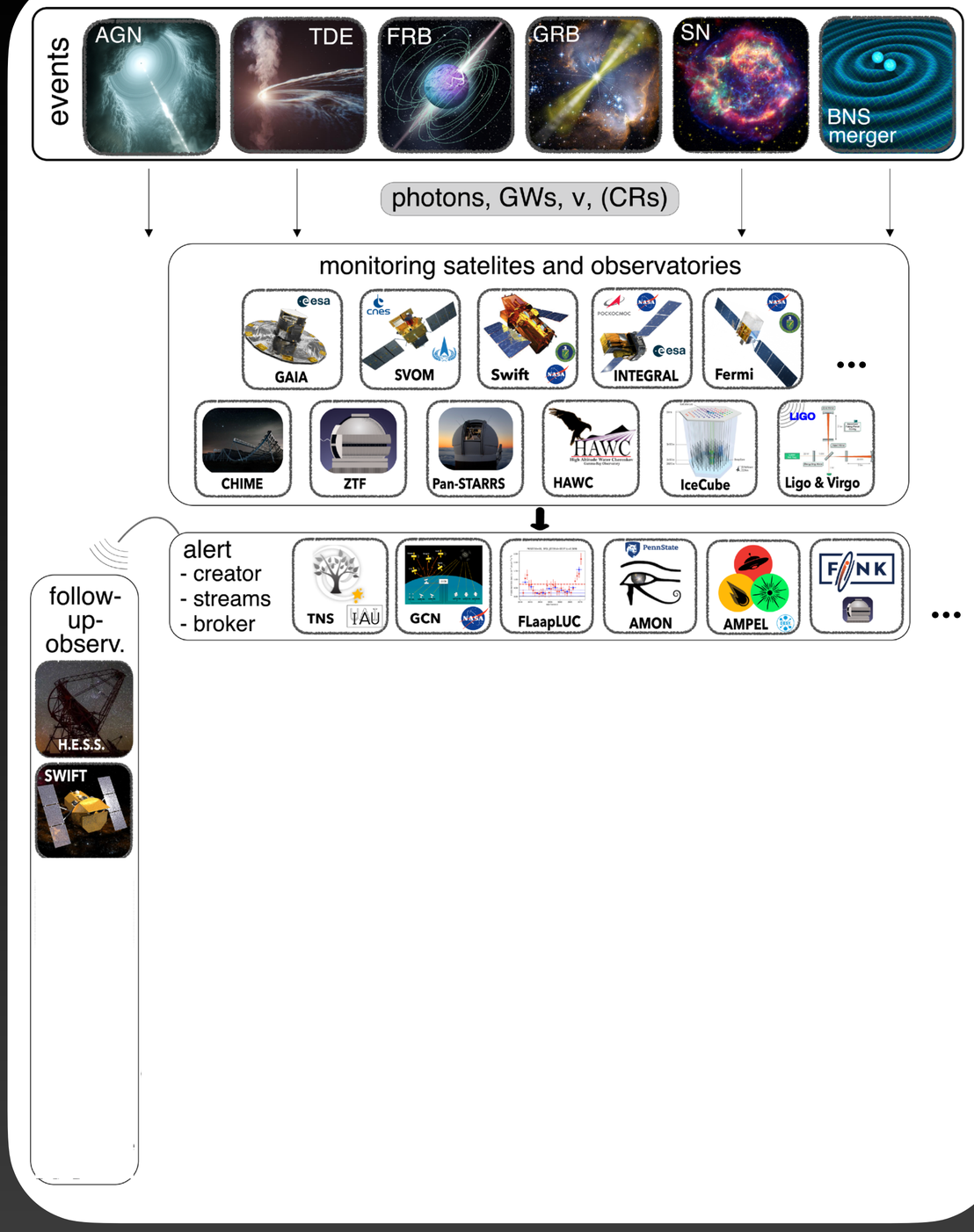




+ many contributions from the community

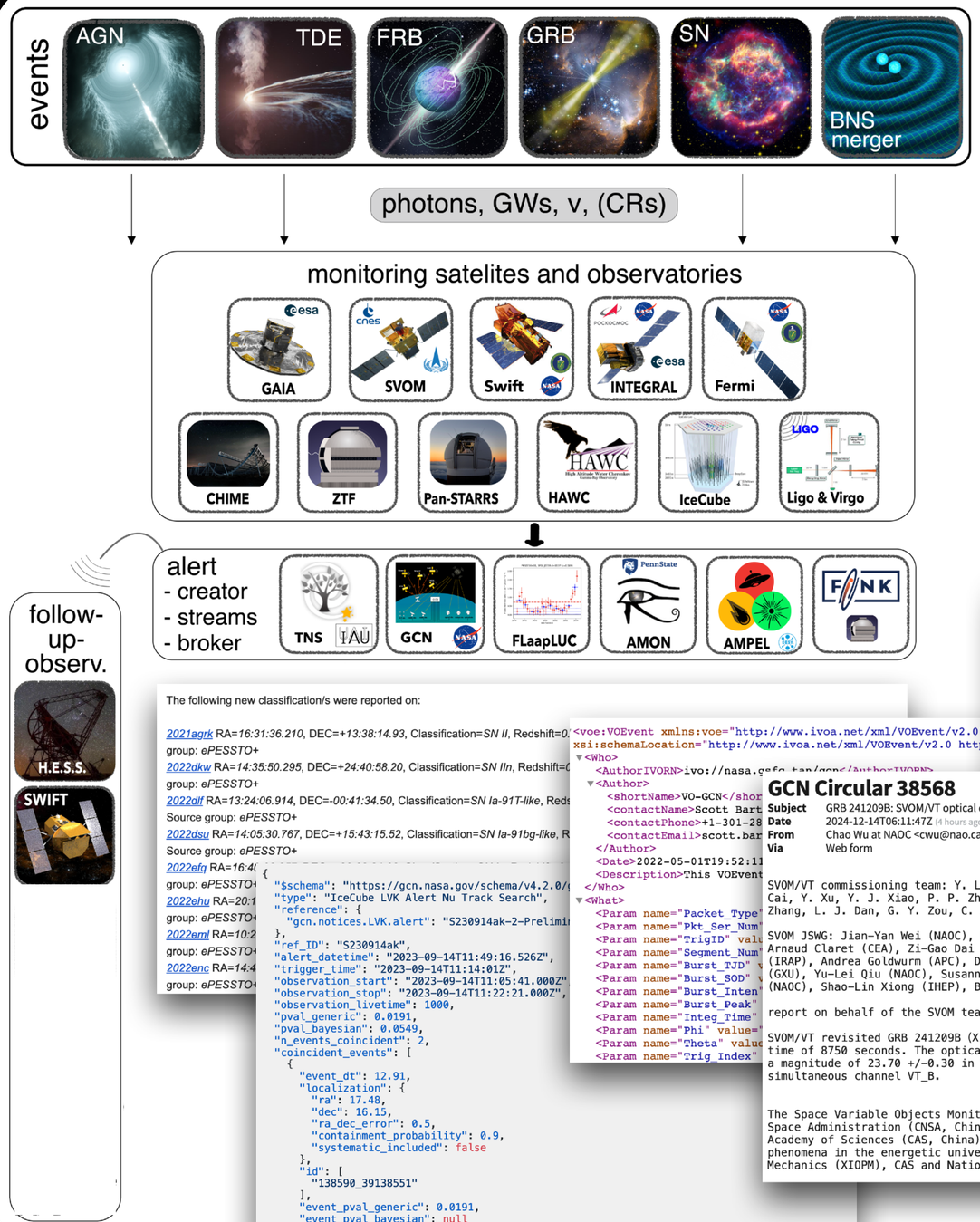
Fabian Schüssler (IRFU, CEA Paris-Saclay)

Funded by the Horizon 2020 Framework Programme of the European Union Grant Agreement No. 871158

Improve time domain astrophysics



Improve time domain astrophysics



Recurrent Nova M31N 2008-12a: Discovery of the 2024 eruption

ATel #16942; *Jingyuan Zhao (Xingming Observatory), A. W. Shafter, J. C. Horst, R. M. Quimby (SDSU), M. J. Darnley, M. W. Healy-Kalesh (LJMU), K. L. Page (U. Leicester), on behalf of the 12a Collaboration*

on 13 Dec 2024; 04:31 UT

Distributed as an Instant Email Notice Novae

Credential Certification: Allen W. Shafter (ashafter@sdsu.edu)

The following new classification/s were reported on:

2021agrk RA=16:31:36.210, DEC=+13:38:14.93, Classification=SN II, Redshift=0.
group: ePESSTO+
2022dkw RA=14:35:50.295, DEC=+24:40:58.20, Classification=SN IIn, Redshift=0.
group: ePESSTO+
2022dlf RA=13:24:06.914, DEC=-00:41:34.50, Classification=SN Ia-91T-like, Reds
Source group: ePESSTO+
2022dsu RA=14:05:30.767, DEC=+15:43:15.52, Classification=SN Ia-91bg-like, R
Source group: ePESSTO+
2022efg RA=16:4
group: ePESSTO+
2022ehu RA=20:1
group: ePESSTO+
2022eml RA=10:2
group: ePESSTO+
2022enc RA=14:4
group: ePESSTO+

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GCN Circular 38568

Subject GRB 241209B: SVOM/VT optical continuous fading
Date 2024-12-14T06:11:47Z (4 hours ago)
From Chao Wu at NAOC <cwu@nao.cas.cn>
Via Web form

SVOM/VT commissioning team: Y. L. Qiu, H.
Cai, Y. Xu, Y. J. Xiao, P. P. Zhang, J. S
Zhang, L. J. Dan, G. Y. Zou, C. J. Wang,

SVOM JSWG: Jian-Yan Wei (NAOC), Bertrand
Arnaud Claret (CEA), Zi-Gao Dai (USTC), F
(IRAP), Andrea Goldwurm (APC), Diego Götz
(GXU), Yu-Lei Qiu (NAOC), Susanna Vergani
(NAOC), Shao-Lin Xiong (IHEP), Bing Zhang

report on behalf of the SVOM team:

SVOM/VT revisited GRB 241209B (Xie et al.,
time of 8750 seconds. The optical counter
a magnitude of 23.70 +/-0.30 in VT_R. Not
simultaneous channel VT_B.

The Space Variable Objects Monitor (SVOM)
Space Administration (CNSA, China), Natio
Academy of Sciences (CAS, China), which i
phenomena in the energetic universe. VT w
Mechanics (XIOPM), CAS and National astro

BHTOM Targets for 22 September, 2025

wyrzykow@gmail.com Mo., 22. Sept., 12:06 (vor 6 Tagen)
an bhtomtargets

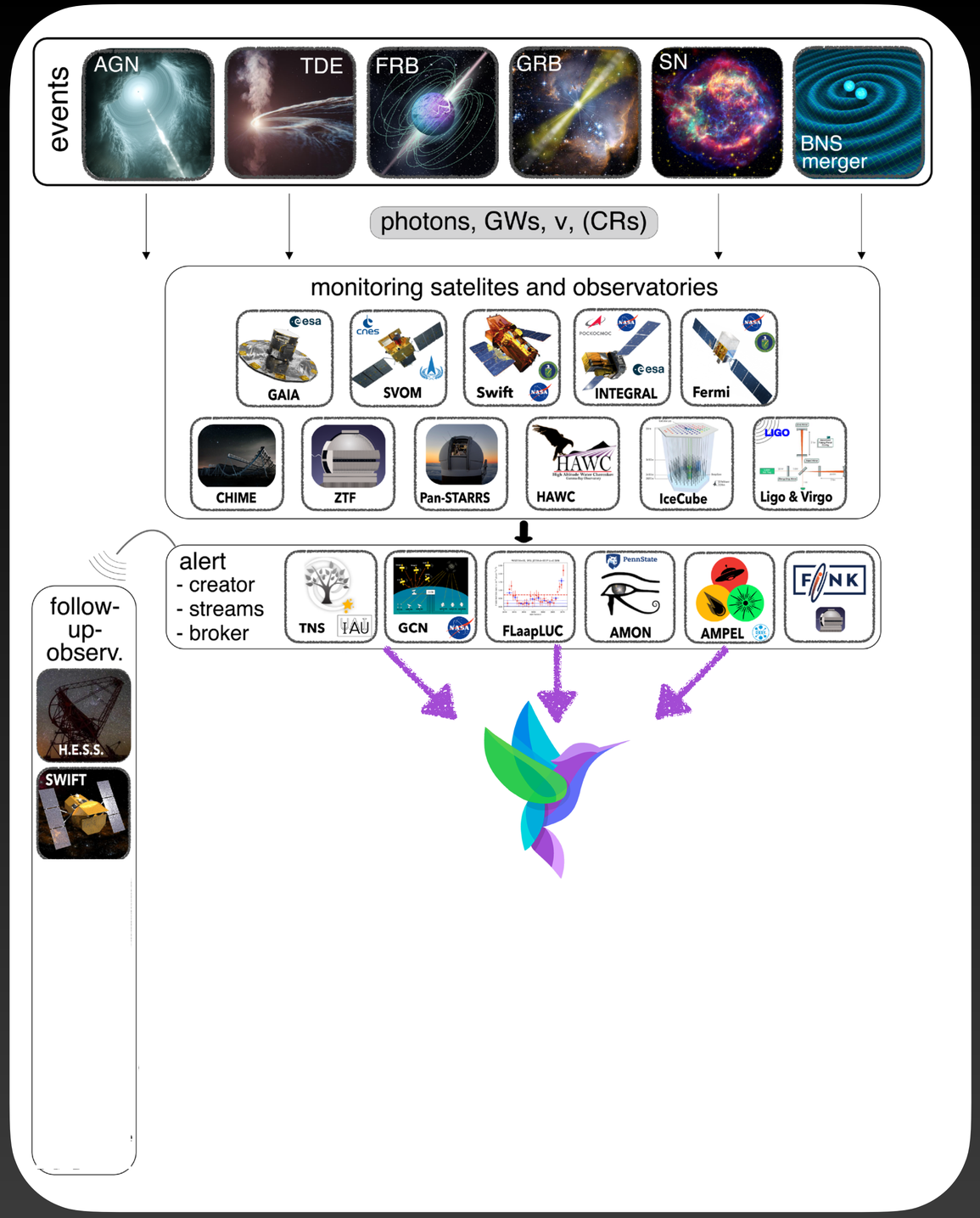
Hello,

Greetings from the BHTOM Automated Newsletter!

As of 2025-09-22 10:05:35.180466+00:00, these are the new targets added in the last week for observing (importance>=1), sorted by magnitude:

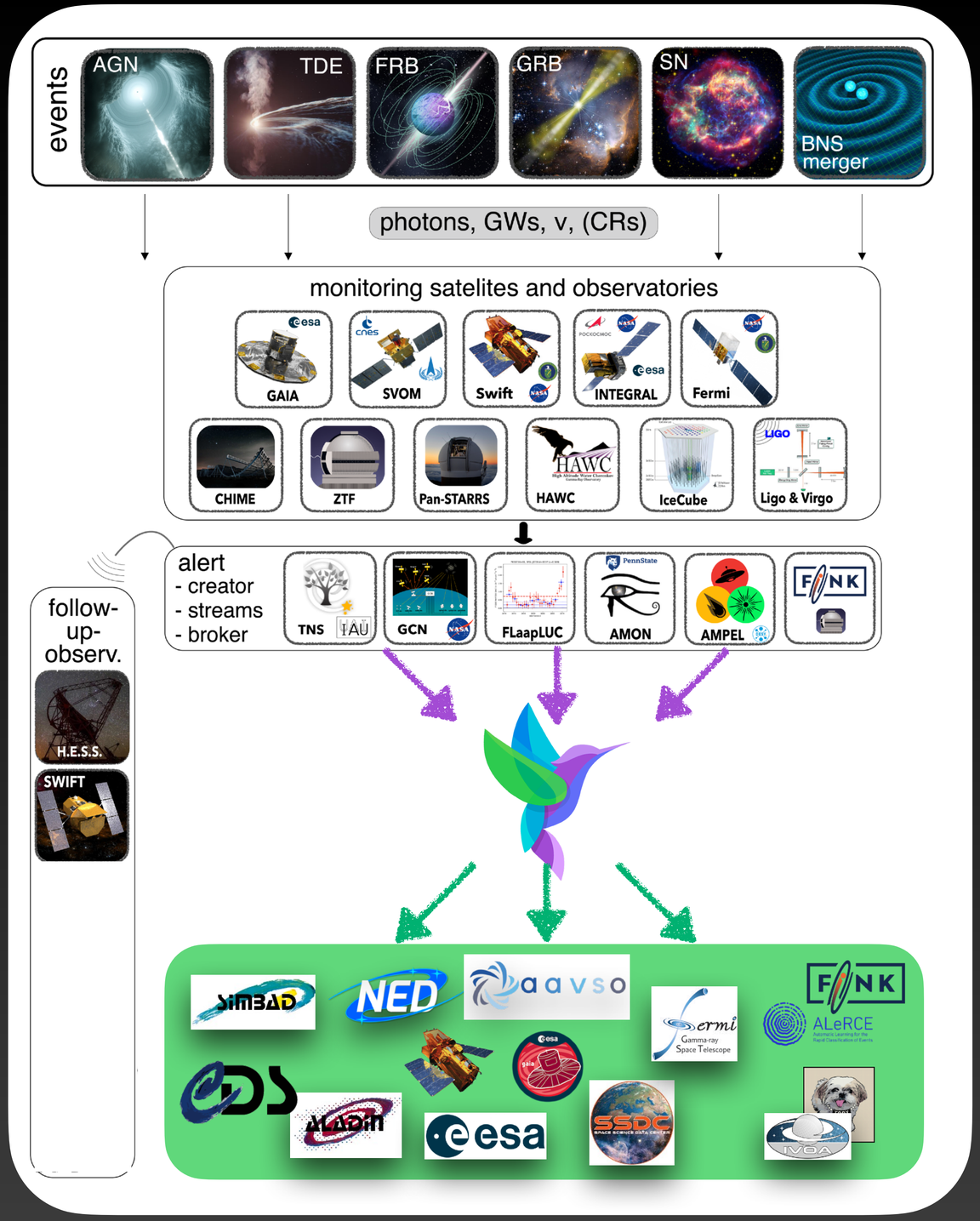
name	ra	dec	mag_last	sun_separation	classification	description
AT2025wyg	262.551250	-27.896889	11.4	84.0	Unknown	Nova found by Tadashi Kojima
AT2025xes	66.887308	-42.165719	15.1	107.0	Unknown	Candidate nuclear transient from ATLAS via TNS
AT2025xeg	119.111725	-78.699383	15.5	85.0	Unknown	Candidate supernova from ATLAS and GOTO via TNS
AT2025xop	295.930617	-18.696344	17.0	115.0	Unknown	Candidate supernova from LAST via TNS, gone already
ZTF25aawwfve	274.631244	-20.899773	19.8	95.0	Unknown	candidate binary microlensing event from ZTF
AT2025xvc	85.526933	-67.018517	20.2	92.0	Unknown	possibile bright nova or CV in LMC from GOTO,TNS

In addition, here are some older targets that are currently visible and requested for observations. These targets have an importance>=4, a sun separation
last magnitude<18, sorted by magnitude.



Improve time domain astrophysics

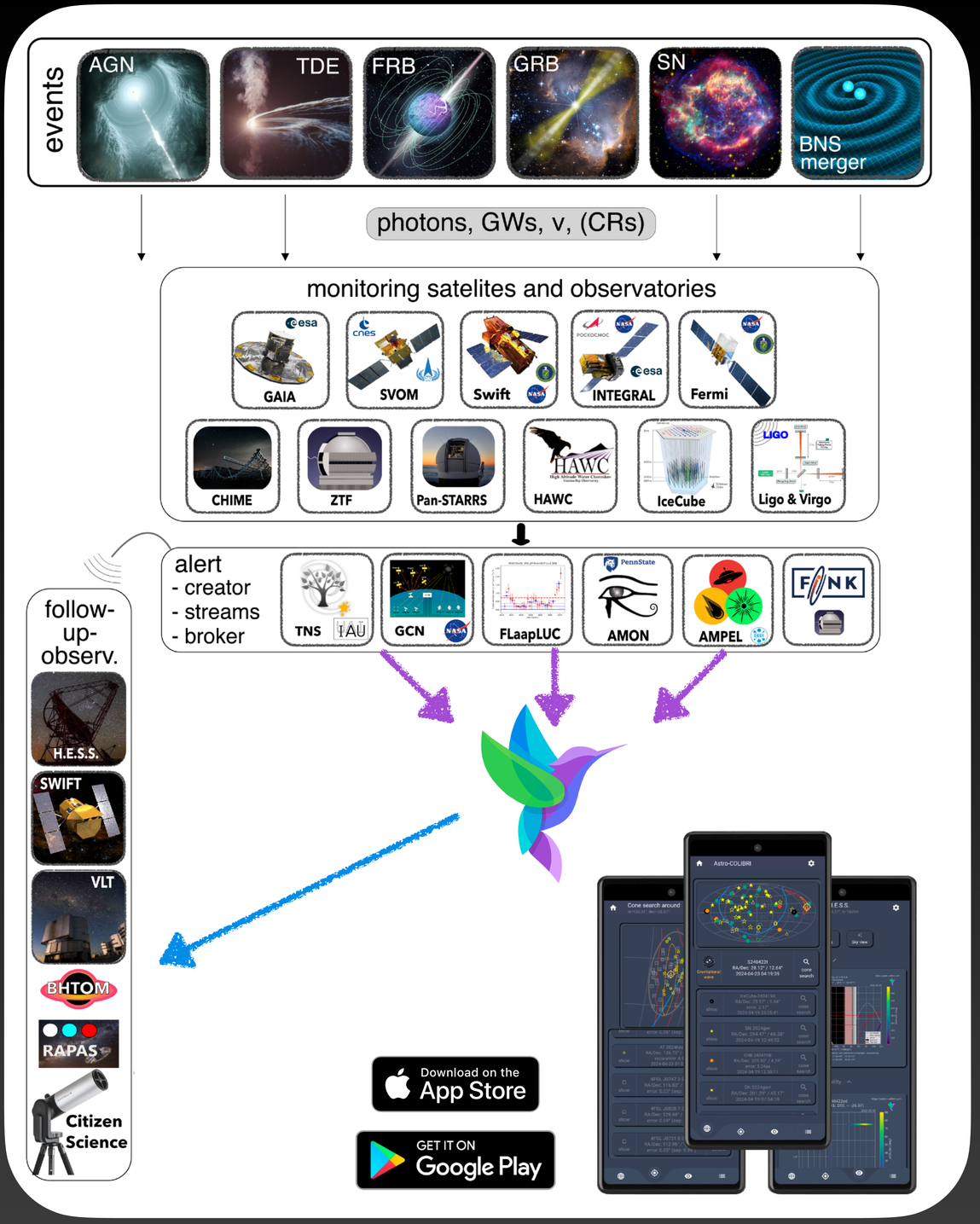
Summary of all publicly available alert channels



Improve time domain astrophysics

Summary of all publicly available alert channels

Complement existing platforms



Improve time domain astrophysics

Summary of all publicly available alert channels

Complement existing platforms

Modern platforms:
API + web + smartphones

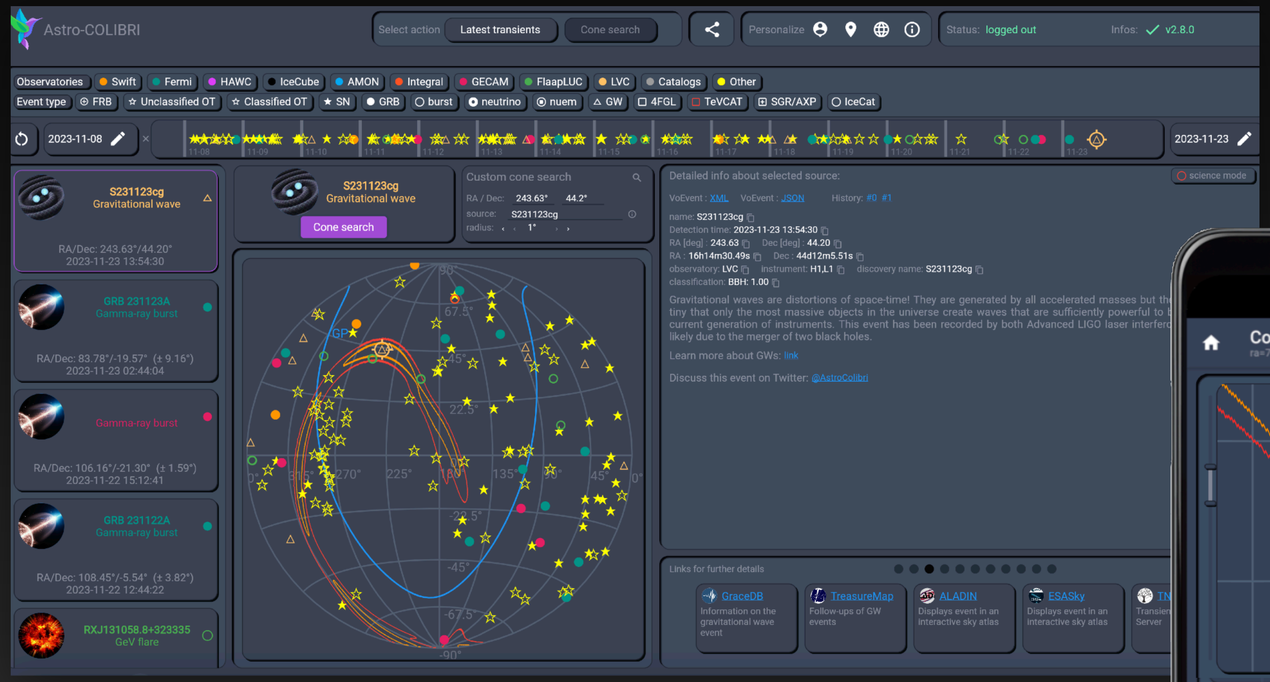
professional +
amateur astronomers

User interfaces

https://astro-colibri.com

GET IT ON Google Play

Download on the App Store



https://astro-colibri.science

Astro-COLIBRI Multi-messenger Astrophysics workshops

Series of workshops including Hackathon/Sciathon (Institut Pascal, Paris-Saclay, France)

no registration fees
local expenses covered

October 12-16, 2026

Applications until end of June

https://www.multimessenger-astrophysics.com

Astro-COLIBRI

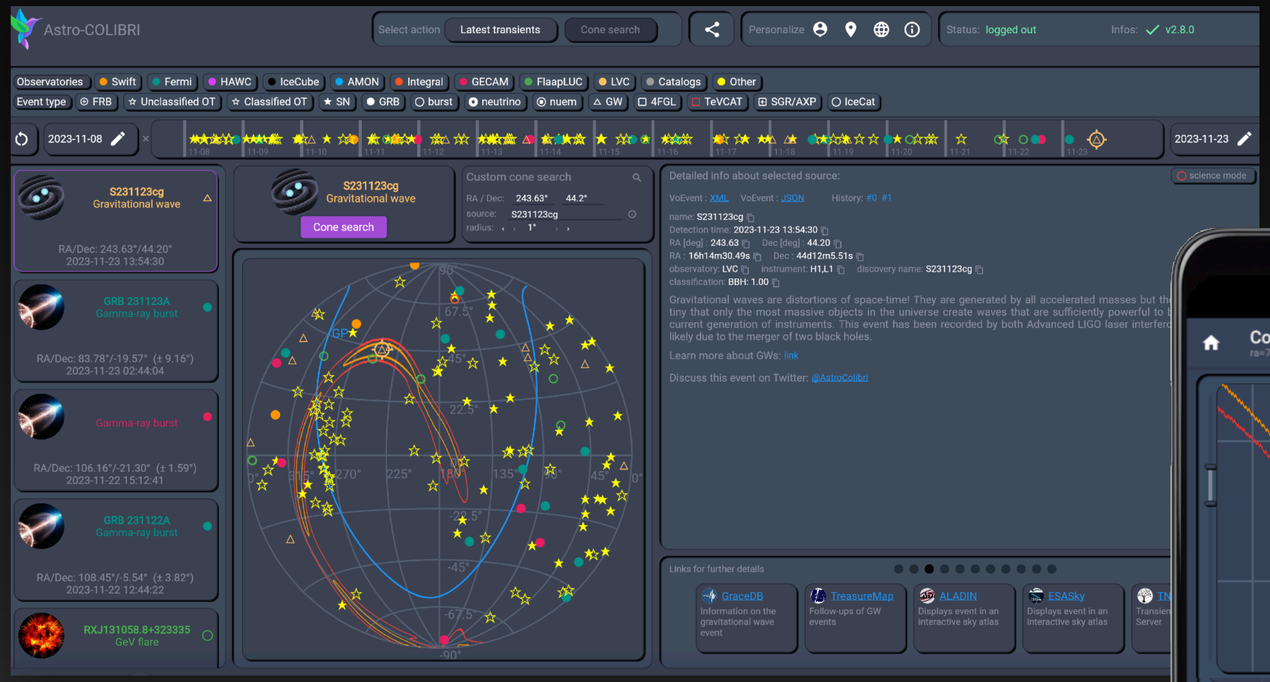
- Overview of transient detections (optical transients, GRBs, FRBs, TDEs, high-energy neutrinos, GWs, etc.) + tools to facilitate follow-up observations (incl. observation planning)
  - interfaces: https://astro-colibri.com + Android + iOS
  - API + documentation: https://astro-colibri.science
  - Forum: https://forum.astro-colibri.science

- Looking forward to your feedback and questions!
  - **What features/components would you like to learn more about?**
    - **=> next ACME hands-on session(s)**
  - **What features are missing/incomplete for your use-case?**
    - **=> hackathon at the workshop**

- P. Reichherzer et al., ApJS 256, 2021 (link) + Galaxies 11, 2022 (link)

Astro-COLIBRI

https://astro-colibri.com



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Astro-COLIBRI

API + documentation: https://astro-colibri.science

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    - => direct help + topics for the next ACME hands-on session(s)
  - **What features are missing/incomplete for your use-case?**
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    - forum: https://forum.astro-colibri.science
    - ACME Platform: https://support.acme-astro.eu

ACME-Survey: https://www.acme-astro.eu/survey-hands-on-sessions-xwj4jm9/

VA Platform: https://support.acme-astro.eu/
Survey: https://www.acme-astro.eu/survey-hands-on-sessions-xwj4jm9/

Astro-COLIBRI

Contact: astro.colibri@gmail.com

- Central webpage: **https://astro-colibri.science**

Android Play Store

Apple iOS App Store

Introductions/tutorials on YouTube

Mastodon, Insta, Threads

Architecture