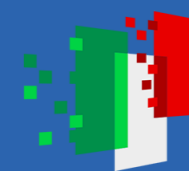




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PIANO NAZIONALE
DI RIPRESA E RESILIENZA

SUMMARY OF THE MEETING & FUTURE PLANS



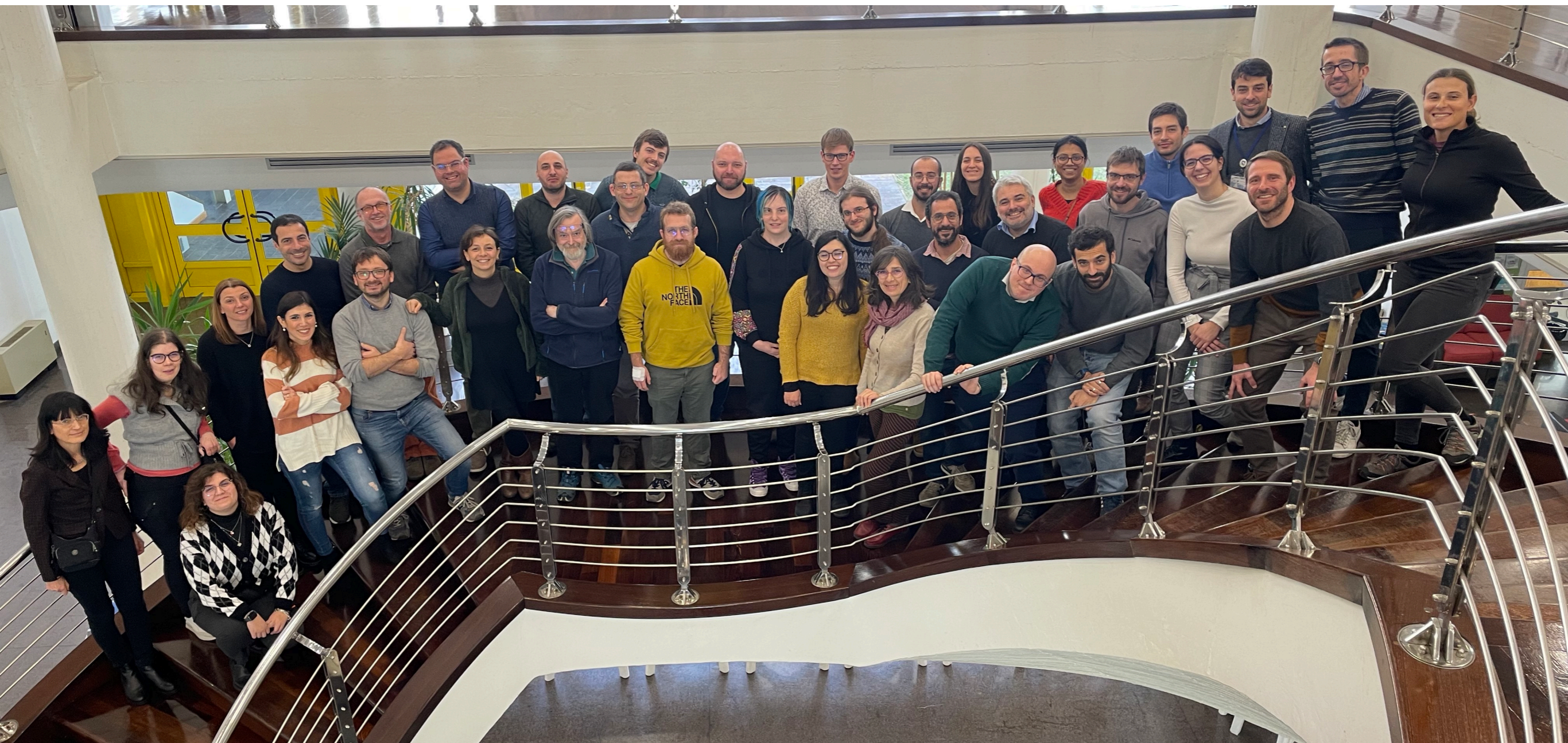
VHEgam



INAF
ISTITUTO NAZIONALE
DI ASTROFISICA

1st VHEgam meeting

- 50 participants registered on indico
- ~35/40 participants on person and ~5/8 connected remotely
- 9 invited talks
- 17 flash talks asked: 9 EGAL, 3 TRAN, 5 GAL



1st VHEgam meeting

- **Tools for non standard analysis:** so far LST analysis performed with gamma-py, components such as background modelling not included. Difficulty also in preparing PSF and similar functions for not standard analysis, with the instrument being still in commissioning. Proposal to add dedicated duties, in order to reward the effort. However, need to focus on core requirements for CTA;
- **Archival data:** need for access data related to the same source. Current solution is only to access the logbook and to look for it. Available database still requires a lot of user work. Again, possible duty to be assigned (mentioned need for duty coordinator);
- **Proposals for cycle II:** TeV halos explanation, with the existence of an x-ray equivalent. Currently lots of discussion about TeV halo definition, anyway examples of TeV-halos detectable by LST-1 exist. Possible idea for LST observation; Also discussed the topic of young stellar cluster, with current data with wrong pointing (only 8 hours available). However, already MAGIC+LST proposal, no interest in pursuing a mono LST proposal without knowing before the outcome of previous one

1st VHEgam meeting

- **Demo of Firmamento and SSSC SED Builder:**
need for an option to add user data (i.e. points) to Firmamento SEDs;
<https://firmamento.hosting.nyu.edu/home>
- **SteVeCat:**
now available from Zenodo. Discussion about possible applications;
<https://zenodo.org/records/8152245>
- **Tools for simulations:**
need extra-tools, covering not only the most pessimistic (i.e. 5 sigma required) cases;
- **Multiwavelength coverage:** hard to manage during the proposal submission and the PIship

Take home messages

- Duty task soon available
 - BA is a fundamental task (TRANS)
 - Software maintenance/development
 - Analysers needed (EGAL, GAL)
- New ideas for EGAL (can we differ to MAGIC)

From Elisa's slides

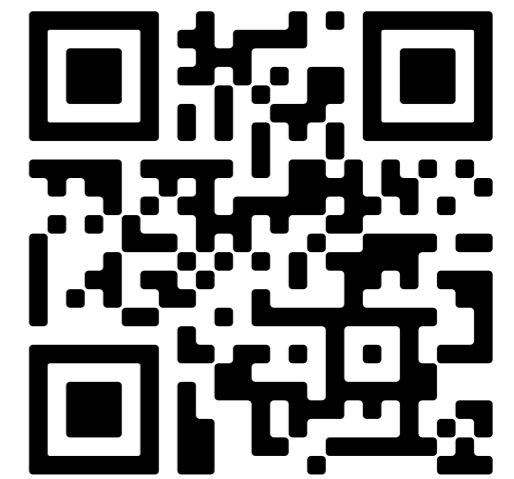
How to write a successful proposal

1. **Clear goal** (that should be well explained in a wide scientific context)
2. **Strong team** with different expertises. **Young members** usually well perceived! PIs are usually at least PhD students with some past experience
3. Strategy/**Feasibility** should be justified carefully (number of hours to reach the proposed goal(s), kind of data requested (moon/dark), Zenith angle)
4. **Impact**: provide a plan for publication also in case of no-detection
5. In our **multiwavelength/multimessenger** epoch, complementary data should be carefully considered (MWL, MM) both with major and minor facilities. It is never too early to learn submitting a Swift ToO!

1st VHEgam meeting

- **Participation certificate** (send an email)
- Google photo link to access (and add) photos of the meeting

<https://photos.app.goo.gl/TcKgTvBAMFzBJxyY6>



SCAN ME



VHEgam

1st VHEgam meeting

THANKS TO THE LOC!



and of course thanks also to Roberta Zanin and Massimo Cappi



1st VHEgam meeting

THANKS TO THE REAL LOC!



VHEgam Slack

- WP (GAL, EGAL, TRAN, FP)
- general
- random
- Conferences
- Job opportunities

https://join.slack.com/t/inaf-tew8770/shared_invite/zt-2an3wb5mt-ryHzNV2zz0Ue5i47arONcg



VHEgam newsletter

- List of the Italian VHE Community in order to have a fast and direct way to communicate
- ~250 contacts.
- We will send a draft very very soon.

Next important events

WHAT	WHEN	WHERE	DEADLINE	LINK
LST 2nd software school	5-9 February 2024	online	Passed	
LST proposal submissions	2 February 2024	online	January (will be postponed)	
CTAO Science Symposium	15-18 April 2024	Bologna	31 January	https://www.ctao-
CTAO summer school	16-29 June 2024	Bertinoro/La Palma	16 February	https://www.school.cta-
Gamma 2024	2-6 September 2024	Milano	TBD	TBD
Gravi-Gamma-Nu	Sept-Oct	Bari	TBD	TBD

CTAO Science Symposium

<https://www.ctao-symposium.org/>

- Open Registration and Abstract Submission: **November 15, 2023**
- Abstract Submission Deadline: **January 31, 2024**
- Announcement of Accepted Contributed Talks and Posters: **February 18, 2024**
- Registration Deadline: **April 8, 2024**



CTAO schools

<https://www.school.cta-observatory.org/>

1st Edition

CTAO School

Bertinoro (Italy) - June 16-22, 2024

La Palma (Spain) - June 22-29, 2024

Observing
Proposals &
Telescope
Operations

Data Analysis &
Scientific
Discussions

International
Cooperation



CTAO schools

<https://www.school.cta-observatory.org/>

- **REGISTRATION OPEN!** Deadline February 16, 2024
- 25 max participants
- Target audience: PhD students in the first half of their PhD
- Young postdocs and master students can still apply
- Students will have the possibility to present their research work
- The programme covers:
 - theoretical lessons on gamma-ray astrophysics
 - lessons on detection principles and low-level analysis
 - lessons on the telescopes • hands-on sessions on high-level data analysis
 - hands-on sessions on how to write a proposal for the LST1
 - observations at the LST1
 - observations at the 3.5 m TNG and 11m GTC optical telescopes

