

Meeting CYGNO News

LIME: status

- Latest interventions on gas system:
 - the assembly of the new booster in the gas-system -> leaks are so small that in principle we could flush at a rate of 1 liter/h;
 - humidity filters on line 2 replaced -> both lines are now properly working;
- Another pump suddenly stopped working last Thursday and did not re-start after some direct interventions on the following days (thanks to Ernesto and Roberto for their availability);
- It restarted two days ago, thanks to some tries (not still very clear the cause of the issue) and LIME is moving toward the operation performance

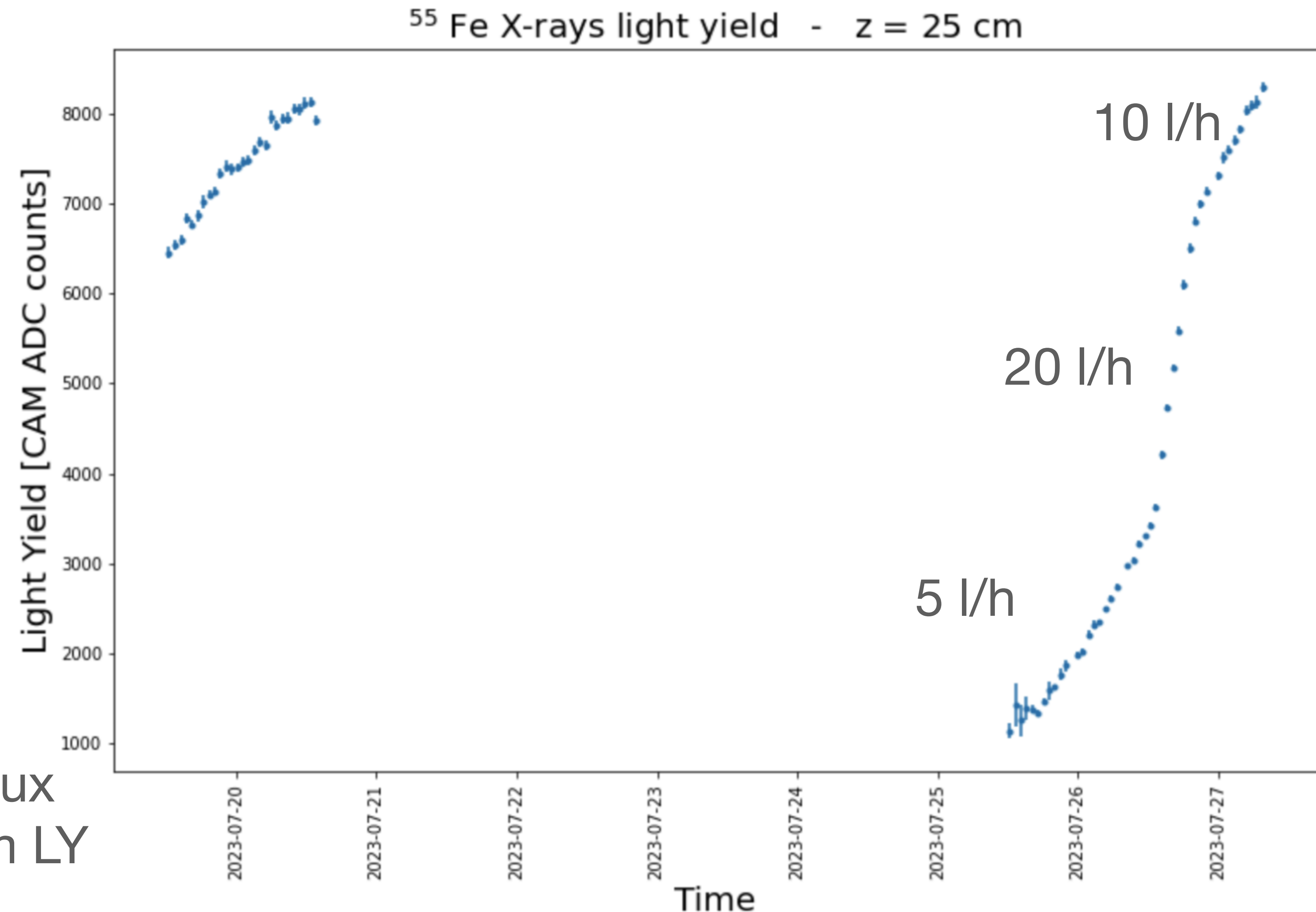
LIME: status

optimal LY is about 10k counts for the ^{55}Fe energy;

The LY increase rate depends of fresh gas flow;

Capacity of recovery bottle is 40 bar. We should avoid to fill it during the weekend;

Finding the minimum flux to have stable optimum LY



LIME: Plans

27/07:

Test 3 l/h LY increase rate by this evening;

28/07:

Reach the 10k plateau by tomorrow morning;

Remove ^{55}Fe source and start golden background runs (4/5 days);

01/08:

Replace recovery bottle and prepare for AmBe;

02/08:

AmBe installation and test 10 (?) days

Publication status

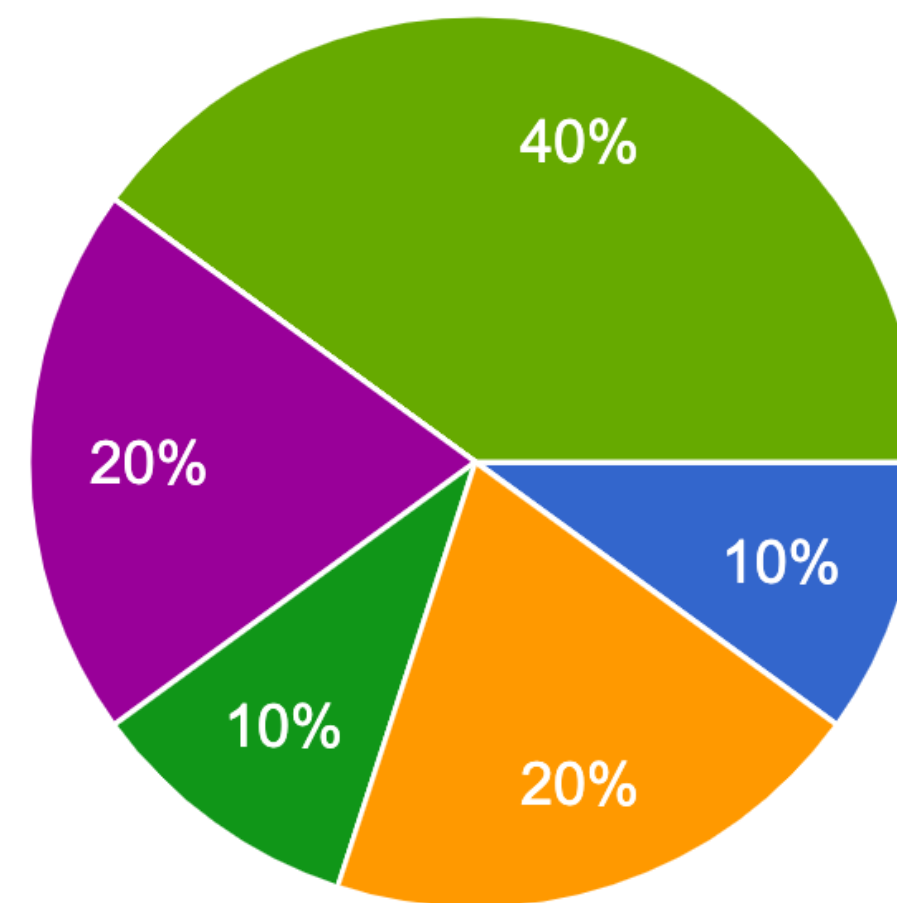
1. lime overground paper: new version submitted to journal addressing comments
2. noise paper: submitted
3. directional dbscan paper: submitted
4. isobutane paper: ready for submission
5. Electroluminescence: almost ready for internal review
6. NID paper: in preparation, a well advanced draft is ready
7. simulation paper: in preparation, a well advanced draft is ready

Steering Committee

Following the discussion of last week a board (temporarily called “steering committee”) was setup with: spokespersons, technical manager, a representative of each institution and the coordinator of CYGNO WP;

Elisabetta Baracchini
Emanuele di Marco
Giulia d’Imperio
Giovanni Mazzitelli
Andrea Messina
Cristina Monteiro
Ernesto Kemp
Rafael Nobrega
Fabrizio Petrucci (chair)
Davide Pinci

Result of poll for the chairperson



● Emanuele di Marco
● Giulia d'Imperio
● Giovanni Mazzitelli
● Andrea Messina
● Cristina Monteiro
● Ernesto Kemp
● Rafael Nobrega
● Fabrizio Petrucci

▲ 1/2 ▼

First meeting today, after the current one