

CYGNO status, 9 11 2023

# LIME: Run3

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- After Air Liquide intervention on the gas system it is working since 10 weeks;
- Filling recovery bottles fine on line 1, issue (probably repaired) on line 2;
- Very low humidity level;
- DAQ is working smoothly;
- Detector very stable, never had issues with high currents or voltages instabilities;
- Few hot spots during Eu data taking, to be verified in the last Run3 part;

# Current Program

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- ☒ Tuesday, 26th Turn on HV and start stability tests
  - ☒ Friday, October 29 start with bkg + daily scan
  - ☒ Tuesday, October 10 Ba source
  - ☒ Tuesday, October 17 Eu source
  - ☒ Tuesday, October 24  $^{55}\text{Fe}$  without collimator
  - ☒ October 26 start with low act Eu source
  - ☒ October 31 start with Am source
  - ☒ November 6 start with bkg + daily scan
  - ☐ November 13 end of Run 3
  - ☐ Technical Stop
  - ☐ Start of Run4 in December
- Plans on the interventions during the technical stop on Giovanni's slides;
  - Summary on the Run3 and plans on Run4 on Stefano's slides;

# NID paper

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- As you know there are interesting results by the GSSI work about Negative Ion Drift operation and test;
- We are planning the draft of 2 papers about them;
- Elisabetta has collected all related material in a shared folder [here](#);
- Any comments or question about the presented material or request for some more details, can be collected [here](#) to give time to Elisabetta to prepare useful answers;
- Pubcomm is going to have a short meeting next week with the proposed reviewers (Stefano and Francesco R.) to setup a deadline for a public discussion about all (reviewers + other ones) comment;

# CYGNO Collaboration Meeting

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- We are going to have the annual Collaboration Meeting in Frascati in **December 4-6**;
- I'm preparing the agenda and website that will be circulated asap