

# Meeting CYGNO News

# LIME: status and plans

- **10 cm copper shield installed;**
- Still issues with gas system (too high humidity level)
- AmBe source available from around May the 8<sup>th</sup>
- We are going to have a last maintenance week (the next) and turn LIME on on Friday
- Start Run3 commissioning on May 2<sup>nd</sup>





# LIME: status and plans

## April 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
					Test on humidity	
23	24	25	26	27	28	29
	Test on humidity Gas on			DAQ	HV on	
30						

## May 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
		Commissioning and calibration with $^{55}\text{Fe}$				
7	8	9	10	11	12	13
	AmBe					
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

# Outcome from CSN2

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- The status of the CYGNO project was illustrated in details to the referees and then presented to INFN Committee on Tuesday;
- Referees were positively impressed by the advancement in the LIME operation, data analysis and simulation;
- About the program for 2023, the main remarks (also from the committee president) were:
  - LIME bkg data should be **analysed** in details and should arrive to the **final results**;
  - we should provide a more solid and complete **data-MC comparison for LIME**;
  - keep going on with the data acquisition: Run3 and Run4;
  - we should converge in publishing pending papers, since in last 2 years we published only the CYGNO paper.

# Radioactivity reduction: procedures

- drafting **documents** about the **procedures** to follow, **not** to **contaminate** materials and parts;
- **filling** a **DB** with all the radioactivity **measurements** performed at **LNGS**;
- with a 3" NaI we are **measuring** the **rate** and **spectrum** of experimental **set-up**;

