

Meeting CYGNO News

GAS System

After long interactions, we agreed to go to take the gas system directly at Air Liquide

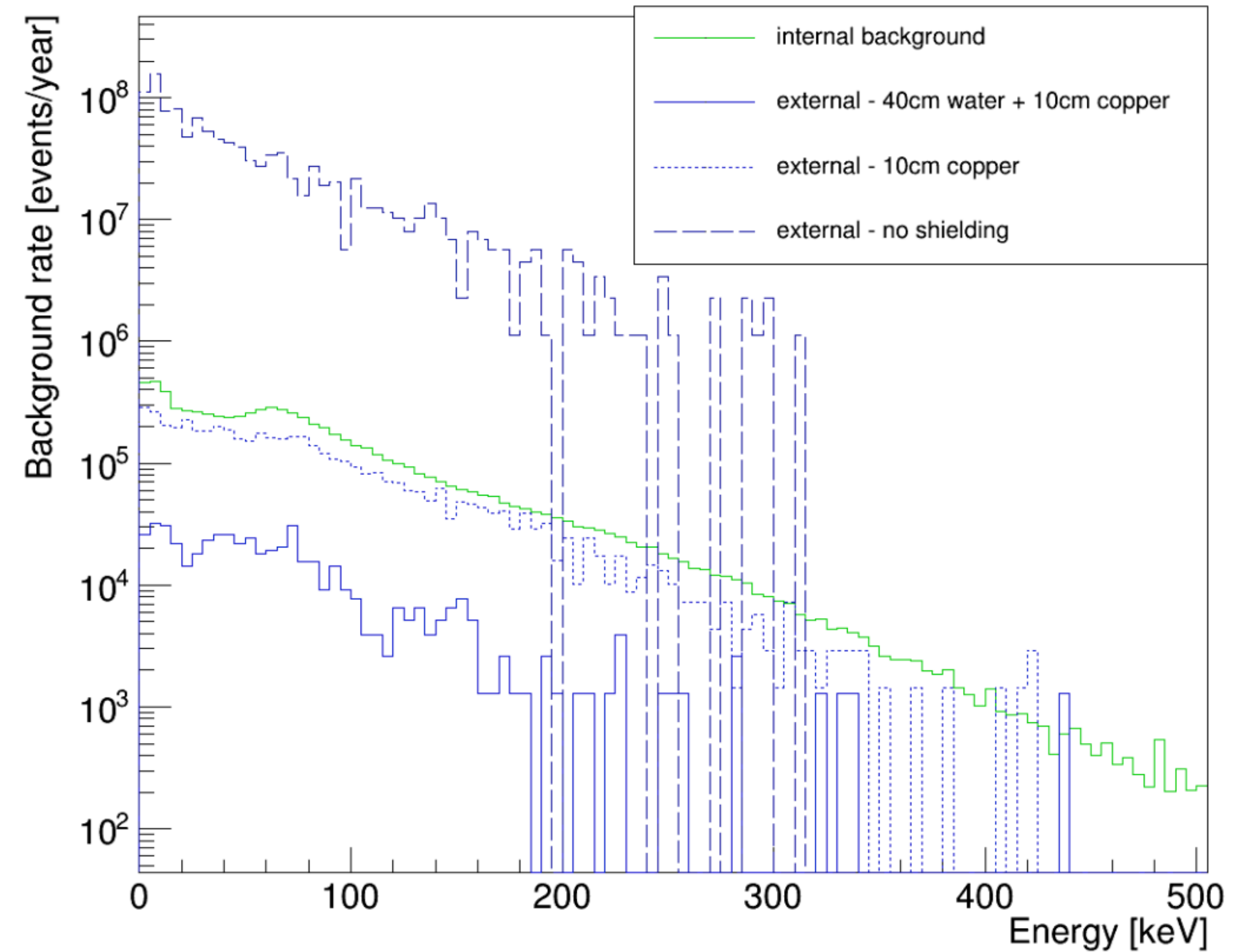
(Optimistic) plans are:

- Wednesday 2/11 Roberto goes to Milano to take it;
- Thursday 3/11 gas system at LNGS (hopefully underground);
- Friday 4/11 gas system in operation and LIME gas flush On;
- Monday 7/11 LIME commissioning;
- Tuesday 8/11 start LIME data tacking without shields;
- We'll take data for 10 days with X rays and AmBe source.

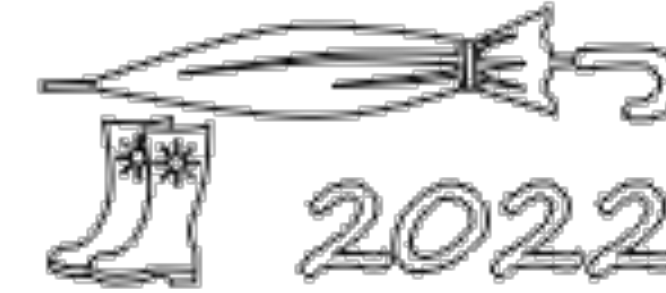
Shielding	Internal [ev/yr] (1-20 keV)	External* [ev/yr] (1-20 keV)
No shield	$1.5344(7)\times 10^6$	$4.061(8)\times 10^8$
5cm copper	$1.5344(7)\times 10^6$	$1.90(2)\times 10^7$
10cm copper	$1.5344(7)\times 10^6$	$1.024(2)\times 10^6$
40cm water + 10cm copper	$1.5344(7)\times 10^6$	$2.46(1)\times 10^5$

Expected rates:

- 12 Hz without shield;
- 0.7 Hz 5 cm Copper
- 0.08 Hz 10 cm Copper
- 0.05 Hz 10 cm Copper + 40 cm Water



Novembre



2022

Lunedì	Martedì	Mercoledì	Giovedì	Venerdì	Sabato	Domenica
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	Novembre 2022 www.freeprintablepdf.eu	

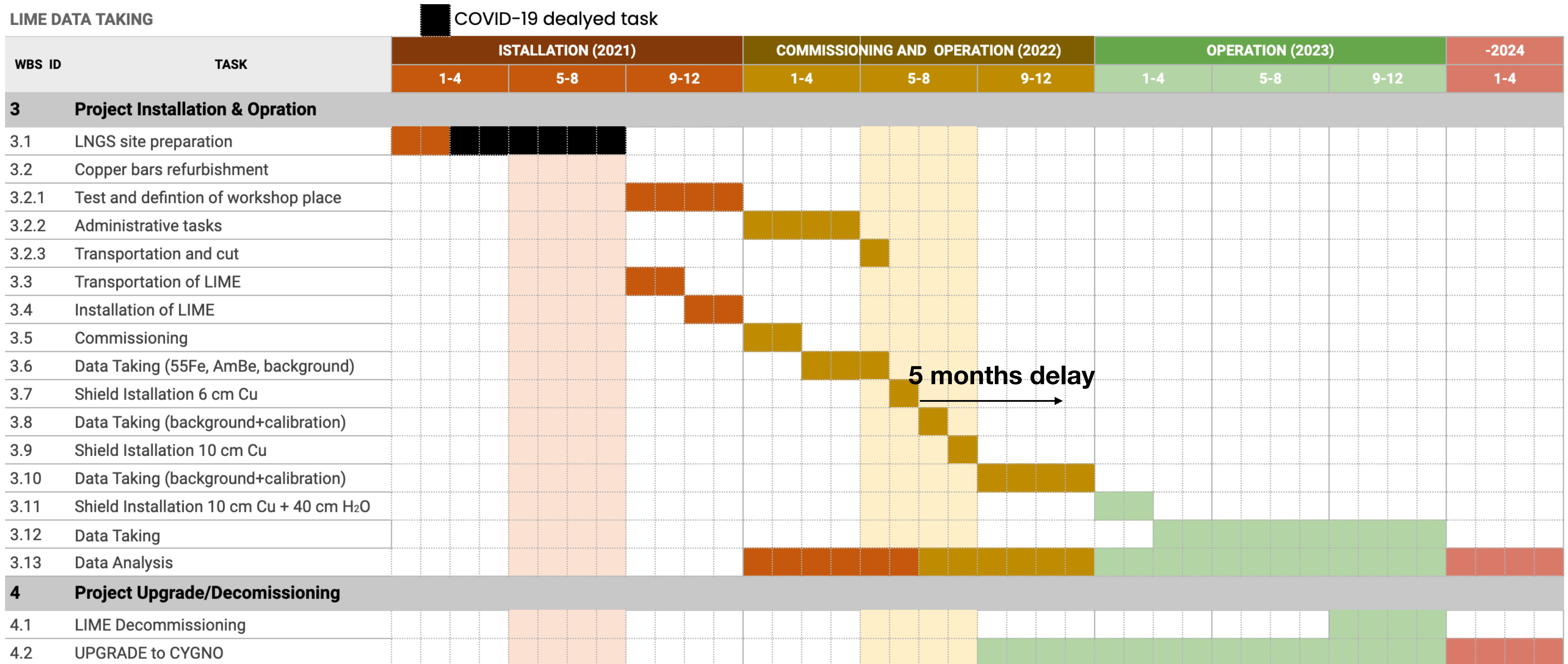
Gas + DAQ + TRG

Data Acquisition and test with sources

Copper shield installation

GANNT presented since July 2021 (and shown to last INFN Committee Sept 2022)

LIME DATA TAKING



LIME site was delivered with 3/4 months delay

LIME in the meanwhile

We took sensor-blind pedestal runs to compare with those taken in July to check the source of some hot corner (light? No!);

We are now taking pictures with blind camera water cooled.

