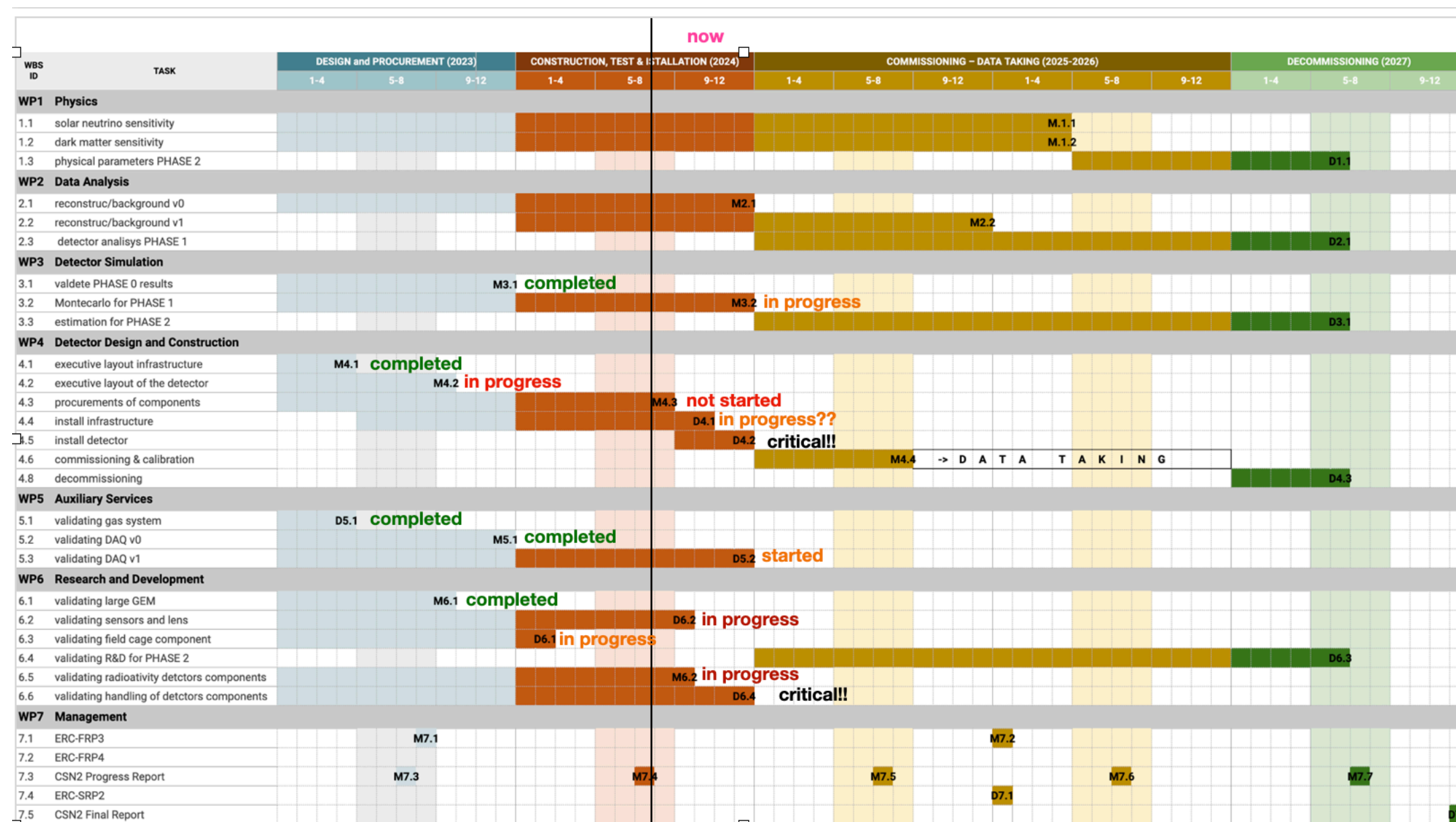


WP4 update

L. Benussi, S. Bianco, A. Biondi, C. Capoccia, A. Croce, M. Caponero, G. Dho, G. Maccarrone, G. Mazzitelli, E. Paoletti, L. Passamonti, D. Piccolo, D. Pierluigi, F. Rosatelli, A. Russo, G. Saviano, R. Tesauro , S. Tomassini and special guest D. Tozzi.

25/7/24 G. Mazzitelli

WP4 - Plan B strategy

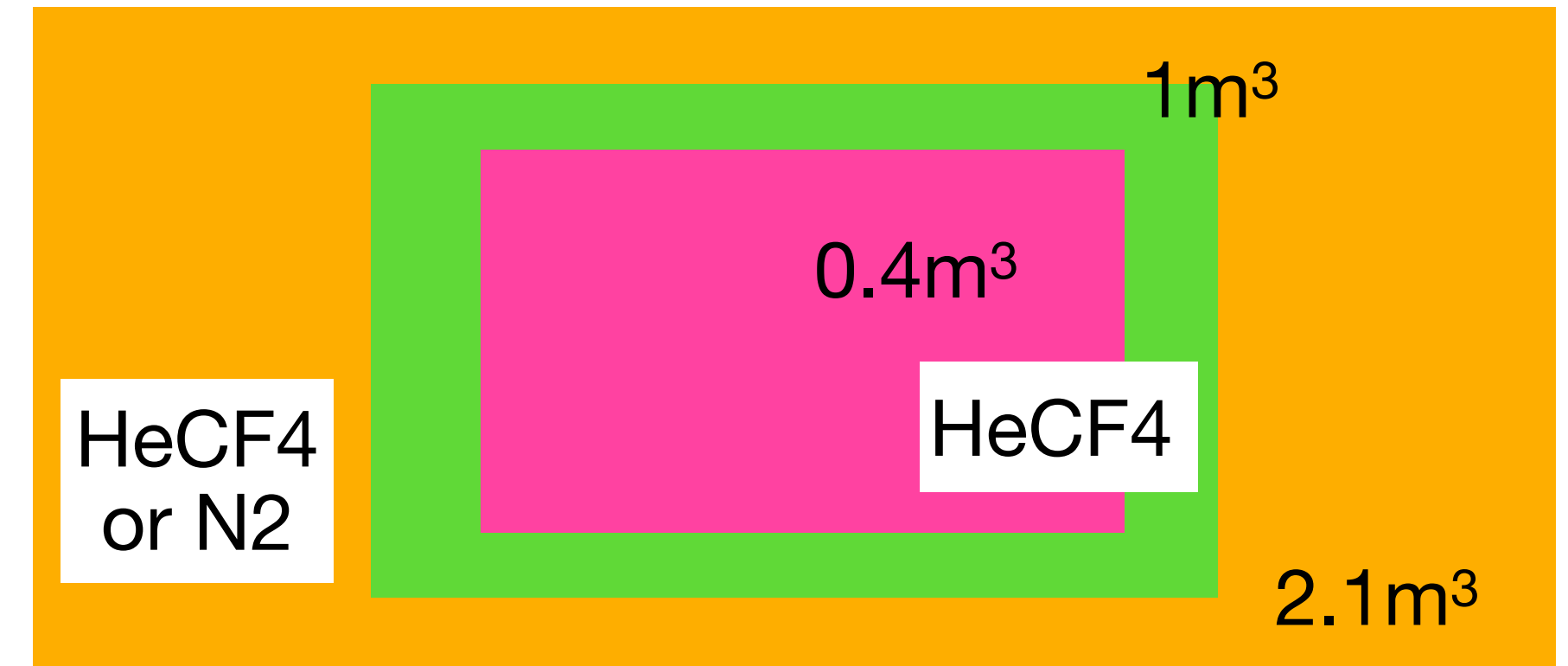


- since plan A is completely canceled because of messing requirements (we have now 1 year of delay respect to the main deliverables) we are working to **minimise the damage**
- this could be **more expensive** but is the only plan B we can have without fixed requirements and decision
- WP4 do not have **responsibility** on the delay and cost (as remarked since long time by the TM) as well as in the missing decision on validating components

WP4 update

news

- design strategy <https://agenda.infn.it/event/41522/> presented the 6th of June and sealed open issue
- official detector components requirements vs specification https://docs.google.com/spreadsheets/d/1IdVnZN-t4iXgnNmQ8otjIN_2WeyrBTSeeFI_IVX8w14/edit?gid=2056996844#gid=2056996844
- 22/7 CYGNO04 technical review (A. Franceschi - CUORE/CUPD, T. Napolitano CUORE/CUPID, S. Gazana ex LNGS TM/LEGEND) see details <https://agenda.infn.it/event/42681/>



A screenshot of a web browser displaying the agenda for a technical review meeting. The meeting is titled 'CYGNO04 Technical Review Meeting' and is scheduled for Monday, 22 Jul 2024, from 14:30 to 17:30 in Europe/Rome. The agenda includes the following items:

- 14:30 → 15:00** **Introduzione, obiettivi e requisiti** (30m)
Speaker: Giovanni Mazzitelli (Istituto Nazionale di Fisica Nucleare)
Document: CYGNO Technical Re...
- 15:00 → 15:30** **soluzioni e stato della progettazione** (30m)
Speaker: Sandro Tomassini (Istituto Nazionale di Fisica Nucleare)
Document: 20240722-cygn-M...
- 15:30 → 16:00** **soluzioni tecniche** (30m)
Speaker: Cesidio Capoccia (Istituto Nazionale di Fisica Nucleare)
- 16:00 → 17:30** **discussione** (1h 30m)
Speakers: Alex Biondi (Istituto Nazionale di Fisica Nucleare), Cesidio Capoccia (Istituto Nazionale di Fisica Nucleare), Daniele Pierluigi (Istituto Nazionale di Fisica Nucleare), Davide Fiorina (OGSI & INFN), Davide Pinci (Istituto Nazionale di Fisica Nucleare), Elisabetta Baracchini (Istituto Nazionale di Fisica Nucleare), Filippo Rosatelli (Istituto Nazionale di Fisica Nucleare), Giorgio Dho (Istituto Nazionale di Fisica Nucleare), Giovanni Mazzitelli (Istituto Nazionale di Fisica Nucleare), Roberto Tesaro (Istituto Nazionale di Fisica Nucleare), Sandro Tomassini (Istituto Nazionale di Fisica Nucleare)

WP4 update

decision 24/7

- design strategy <https://agenda.infn.it/event/41522/> is **approved**: a list of missing items (requirements/specification) are in the WBS document
- **NOSV Cu** has been chosen: be aware that not necessary means the we can reach the radioactivity purity of other experiments, cleaning, impossibile for us and probably less need can not me done.
- we are going to update the CADs in order to acquire **raw materials** (Cu, PMMA, H2O tanks) and postpone to **post-processing** part of the of the decision: O(10-20)% more expensive
- **QUEST** camera has been validated fixing the design of the experimental volume: we are updateting CADs for WP3, lens is not fixed, but is not an issue fo the design
- pre-experimental and experimental volume will be bought **fluxed with HeCF4**: carefully simulation and evaluation of impedance must be taken in serious consideration
- the list some example of open issues available at the yesterday presentation agenda: <https://agenda.infn.it/event/42675/>

LNF update

WP6/LNF validating components

- thanks to GSSI peoples and Giorgio we finally have a design of optics
- missing decision on WP6, GIN measures, analysis and results:
 - what FC we have to implements kapton/PET?
 - what measurements we have to do?
 - what cathode we have to test?
 - when (priority plans for august, etc)?
 - ecc. ecc.

all of this belong to WP6 we do not have inputs consequently NO OUTPUTS

