



SC updates (meeting on 23/07/2024)



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- A.Messina presented the new authorship rules, basically reducing the time to become authors to 6 months and reducing to 6 months also the time when a colleague remains an author after leaving the collaborations. (The time is considered in the moment when the paper is sent to the PC for the first time)

- E.Baracchini reported on several points:
 - 1) ERC funds expiry time was postponed to 31/08/2025
 - 2) Another batch of Opera copper was acquired, 1.9T
 - 3) The document of the LNGS committee was examined. The result is good and few things were asked. A new report is foreseen before the next appointment on 3-4 October

- Several points concerning the design of CYGNO04 were discussed.
 - G. Mazzitelli gave a detailed presentation that can be found on indico.
 - Following the discussion, several points were addressed and decided:

- Copper:
 - The NOSF copper has good mechanical properties and radioactivity. The cost is comparable to the OFE copper. We decided to go with the NOSF copper.
 - We decided to buy the raw material, allowing for a 10% contingency on the overall slab dimensions.
 - WP4 will optimise the dimension needed before we can move on with the purchase of the copper
- PMMA:
 - For the PMMA, we decided to buy raw material as well, allowing the same 10% contingency as for the copper
 - D. Pinci shared the contact of a possible company with E. Baracchini to check it from the administrative point of view and with G. Mazzitelli to let WP4 contact them to understand the details linked to the cutting, machining and so on.

- CAMERA:

- the decision between Quest1 or Quest2 is waiting for the radio essay which should be available soon. If the radio essay of the Quest2 is ok, we will use that.
- In any case, Quest 1 and 2 shares the same dimension of the camera body and of the sensor —> the camera position and dimensions can be fixed in the design

- OPTICS:

- Lenses: there are two possibilities currently under evaluation. EHD lens would be preferred, but we have to wait for the lenses to be produced and delivered before they can be measured. An EHD lens will be purchased by GSSI in any case, so we decided to wait for the radio essay before taking a decision.
- In the meanwhile, the design will be done allowing for the two different lenses, two options for the bellows will be prepared