

# PTOLEMY

Telecon to be held on 08 of August 2018 at 16:00 Rome Time Zone

Agenda:

- 1) Update on MacE filter study (Chris)
- 2) Discussion on Physics paper. (Alfredo/Chris/Marcello)

A.O.B

Minutes:

Chris presented a very nice draft of a paper on the new electrostatic filter. The topic is key, delicate and hard to digest. What presented by Chris can become a nice collaboration paper. Contribution from other groups are desired and encouraged. Cross check from other collaborators that are able to run Kassiopeia and Comsol are necessary. Good results have been obtained also in Stockholm by AlfredoF and his student but they were not present at today's meeting.

Below the overleaf link of the draft presented by Chris.

<https://www.overleaf.com/18144012bhjzwyvbwsbg#/68637739/>

Marcello and Alfredo presented the draft of the collaboration paper on the PTOLEMY physics reach.

So far it is made just of what was already shown in the Lol. More work is needed maybe on the eV mass scale sterile neutrinos.

Here it is the link of the file with the draft

[https://redmine.lngs.infn.it/attachments/download/1959/PTOLEMY\\_physCase.pdf](https://redmine.lngs.infn.it/attachments/download/1959/PTOLEMY_physCase.pdf)

Marcello Chris and Alfredo underlined the need of a better collaboration structure with the Editorial Board, Collaboration Board and all standard boards and also a minimal set of rules, let's call Constitution, necessary to drive the future decisions.

Marcello will draft a Constitution based on the one recently written by the XENON collaboration.

The right place where to address the discussion on a better structure of the collaboration will be the next PTOLEMY General Meeting (GM). One possible date is around the next LNGS SC meeting on October 2-3.

PTOLEMY can ask to report on the first day, 2<sup>nd</sup> of October, and then we can have 2 days of the PTOLEMY GM.