

PTOLEMY

Telecon to be held on 14 of October 2018 at 16:00 Rome Time Zone

Agenda,

- 1) Report on the filter paper publication status (Alfredo/ChrisMarcello)
- 2) Report on the visit to a possible new experimental site of the ptolemy PTOLEMY detector (Alfredo/Marcello)
- 3) Report on the status of the physics reach paper (StefanoG/GP)
- 4) Preparation of the agenda for the next Collaboration Meeting (All).

Draft of the Agenda

26th Afternoon

Welcome (Alfredo/Chris/Marcello)

Discussion on MoU

27th

Experiment:

C.Mariani: electron-graphene interaction at 20 keV, overview of results and new experimental tests. 15'

Tbd: Report on the graphene measurements in Spain. 15'

I.Rago: Growing Carbon nanotubes 15'

F.Pandolfi: dark PMT development, 15'

Tbd: Review of the PTOLEMY detector geometry. 20'

Alfredo/WonyOngC: Report on the field simulation in Kassiopeia 30'

Marcello: Report on the status on the experimental area preparation 10'

Mauro: Report on the TES status. 15'

MicheleB: TES development for low-energy events detection at UNIGE 15'

AndreaG: Multiplexed microwave readout of the cryogenic TES microcalorimeters 15'

Theory:

F. Vissani: On the capture rates of big bang neutrinos by nuclei within the Dirac and Majorana hypotheses. 15'

A.O.B

Minutes:

The answer of the one referee of the filter paper arrived. He suggest not to publish the paper on Prog. of Nuclear and Particle Physics for the too technical topic reported. He claims that the general audience of physicists would not understand the paper. Amand Fassler, the editor, sent a very nice message saying that he would have not expected such a comment. We wait for the report of the second referee and then we decide on what to do. In any case the referee had nice words about the content of the paper.

Marcello and Alfredo visited a new possible experimental site (Predappio, Bologna) for the PTOLEMY projects. This site is presently managed by the University of Bologna and the outcome of the first meeting is that they seem very happy of our interest. More information are needed to address an official request to the Provost of the University of Bologna.

Only Laura Marcucci, among the theorists, was present at today's telecon. She was asked to help GP and StefanoG to speed up the publishing process of the paper.

The experimental site at LNGS is under preparation. The floor treatment will be done by the next CM. We are not sure we will manage to ship all our equipment however we are ready to ship everything as soon as the packaging at Princeton will be completed.

Some discussion on the Agenda of the next CM took place. Laura proposed to talk about some aspects of nuclear physics theory of small nucleus.

A preliminary agenda will be posted soon on the website of the meeting.