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From: Marek Idzik [idzik@ftj.agh.edu.pl](mailto:idzik@ftj.agh.edu.pl)

To: FCAL Members mailing list [fcal-members@cern.ch](mailto:fcal-members@cern.ch)

A short summary from the HWG meeting

1. Sasha reported about APV mapping for TB2019 data (my internet connection was braking all the time so I have not followed precisely the talk...)

- in general, first hitmaps look reasonable

- Sergei noticed that signal amplitude distribution is different than in simulations

- MOST important - human resources are needed to analyze these data!!!

2. Testbeam preparation

a) Jakub reported on FLAME-based readout activities

- FLAME PCB designed&fabricated, FPGA PCB almost ready(~2 days for submission)

- frameware&software in progress

- 2 young researchers (Roma&Szymon) started to help Jakub in  frameware&software

- Jakub has a very hard time now in Krakow but thinks that everything should be ready for the test-beam

b) discussion on APV-based readout

- currently, only 8 APV boards can be read by the SRS system

- new SRS software is needed to read >8 boards

- now the only option to install new software is to do it at DESY:

 -- the best would be to do it a.s.a.p: Sasha could try (assuming that Yan helps him remotely) but a small PCB board (available only at CERN) is needed. Yan will check whether it is possible to send this board for some time to DESY

-- in the worst case, one can try to make this installation just before test-beam (hoping that it goes without problems...)

 -- Jakub proposed backup solution - try to use old software but controlled by 2 PC - if it works one could read 2 \* 8 boards...

c) general testbeam preparation

- Wolfgang will start to collect inputs regarding: who/when participates in March test-beam

- Sergei informed that people needing visa should contact him a.s.a.p.

- Wolfgang asked about synchronization of telescope data with LumiCal data:

 -- to understand whether it works it should be checked whether we can synchronize telescope and LumiCal data from the last test-beam

 -- Sasha is analyzing telescope data, Bohdan offered to work on LumiCal data - Bohdan needs mapping which was shown (together with link) during Sasha presentation. Bohdan should contact Sasha in case of any question

3. There was also a very short discussion on the final report from AIDA2020 activities

- the draft is available at HWG webpage

- I should send it by the end of this week

Last thing: I got an email from Konrad that 30 Cu-Be springs are in his office. Yan, can you pass Konrad’s office and take it?

If I forgot something please comment.

Best Regards,

  Marek

Just a comment from [wolfgang.lohmann@desy.de](mailto:wolfgang.lohmann@desy.de):

we also discussed the presence on the AIDA2020 meeting Jan. 13 at CERN, where also AIDA++ will be considered. The recommendation was, that FCAL will be represented by Yan and you, sharing the presentation, and also demonstrate a bit that we would like to have two labs as beneficiaries in AIDA++. of course, if more people would join would be great.

yours, wolfgang