

## Feedback of IDRC review (Oct 28, 2024)

Date and Time: Oct 28, 2024; 12:00-14:00

Participants

- IHEP 122: Yifang Wang, Xinchou Lou, Jianchun Wang, Joao Guimaraes da Costa, Miao He, Tainchi Zhao, Shengsen Sun, Yunyun Fan, Xiaolu Ji, Jingbo Ye, Zheng Wang, Yiming Li, Zhijun Liang, Sen Qian, Fei Li, Haoyu Shi, Qi Yan, Wei Wei, Mingshui Chen, Manqi Ruan, Huaqiao Zhang, Feipeng Ning, Zhaoru Zhang
- Remote: Suen.Hou, Xiaoting Li, Bo Liu, Fangyi Guo, Haijun Yang, Hengne Li, Hengyu Zhang, Zhilong Hou, Jinfei Wu, Jingzhou Zhao, Jun Hu, Mei Zhao, Mengzhao Li, Qiongyao Liu, Shanzhen Chen, Tao Lin, Meng Wang, Wenxing Fang, Xiaolong Wang, Yang Zhang

### General:

Yifang:

- **For next Tuesday, go through all the subjects and which need to be changed. We hope that no major change in the next 1-2 weeks and be more as fixed**
- **Have an updated TDR version with 30-50 pages in one month**
- Ongoing study can be introduced, clarifying the study is still evolving and can be improved

Xinchou:

- Pay attention to what committee give us specific for the reference TDR, take reaction immediately
- For long term R&D, the timeline should be reduced to 3 -3.5 years, to match with Henan funding
- we really need to have some senior/experience people to interpret what this committee saying. These have implications.

Tianchi:

- suggest to go through all chapters with 2-3 days to better understand the situation of TDR

### Study of low lumi Z operation

- Yifang: We should clarify the plan for Z mode and what background there, demonstrate how good our detector is and whether TBC can work properly in low lumi Z operation.
- Yifang: missing a section of calibration, can be added in Mingshui's section, before talking about detector performance

### ECAL:

Yifang:

- Need to clarify when you are going to finish the studies, how can you work on the studies and also writing of the TDR in ECAL. We can have something that enhance a 1 month.
- Change the granularity of crystal has huge impact for other detectors, which needs a decision very soon.

- make decision by next week Tuesday meeting. Prepare slides by Yong
- Joao: need to update the feedback of recommendation

**TDAQ:**

Yifang: clarify the answers to IDRC report, and give a more clear plan on next Tuesday meeting. Some study can just give a rough estimate (scale/calculation)

**Silicon tracker:**

Yifang/Jianchun: clarify again that strip is backup option

Joao: main questions from IDRC committee is about whether the outer layer is needed. If needed, whether one layer is enough?

Yifang/Jianchun: Tracker + Vertex + Gas detector need another discussion, come up with answers or whatever response. And also working plan is along to see whether we are able to come up with the TDR, which could be accepted by the community.

**MDI:**

Yifang: study the feasibility of high lumi Z at 3 Tesla