

IDAG meeting notes

Rough notes on the IDAG discussion at LCWS

They mainly touched on the tracker and benchmarking, with some side remarks on magnet and calorimetry

Overall

they think the DBD is in a decent state and many of their comments are editorial.

We also explained, that given limited resources not everything is engineered in detail and the DBD is snapshot in time

Tracker

Lots of questions on the stability with power pulsing, the assumptions on material budget and so on. Also questions how we could further reduce the material budget

As I understood later this was driven by the LHC experience where material kept creeping up.

Also they pointed out about the lack of mentioning alignment in this chapter.

Also they were asking, whether we can use cosmics for alignment, which we can

Other

On the magnet there were a few questions on feasibility and status.

Calorimeter chapter had two main comments

1. why we dropped the crystal calorimeter and
2. some editorial comments, that this chapter is too long

Also as a side, the performance plots are lacking (as reco isn't done yet)

A few questions were on costing, especially, if we'd replace the iron in the HCAL with Tungsten

From the benchmarking, they were a lot of questions on the timeline and when results would be available.

we got reminded, that we should summarize the LoI benchmarks in the DBD as well

Another recommendation was increased communication with ILD on benchmark results, IDAG was particularly happy with the availability of our nightly builds