

Towards DRD Calorimetry Wrap-up – Community Meeting

TF6+ Task Force

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1st Calorimeter Community Meeting – January 2023

Nice overview of ongoing calorimetry R&D -> very interesting and positive - not exhaustive (it could not be)

Many thanks for the lively discussion!

Not going over any details

Lots of open challenges over different time scales -> they depend on physics case and machine

Many common issues (not exhaustive):

- high granularity

- timing -> from $O(100)$ ps down to $O(10)$ ps

- sensors and readout elx

- connectors, mechanical integration, ...

- infrastructures/facilities (beam test lines, ...)

Many different specific issues

Many synergies with (or dependence on) other Tfs -> need transversal collaboration(s)

- calorimeters are at the top and bottom of the chain

The interest of the community looks excellent! More than 100 people participating

Way toward proposal:

2nd Community Meeting around mid April with focus on concrete proposals

TF6+ will contact stakeholders and will inform about progresses

In any case contact us directly or use Q&A File if you have questions/ideas

some (possible) driving lines

learn from (i.e. build on top of) existing experiences of collaborative R&D

think about building light and flexible MoU

each collaboration will decide its own structure!

We should be able to formulate common goals and synergies

nothing is fixed

must find the right way to combine/cope with national projects

must find the right way to combine/cope with existing collaborations or activities

but all is up to us -> we drive the process

once more: please provide critical input