

DRD5 / RDq proposal preparation at CERN

Monday 2 October 2023 - Sunday 31 December 2023

CERN

Scientific Programme

The six families of quantum sensors identified in the ECFA detector R&D roadmap were looked at at a workshop among a representative number of experts (see list here) at the beginning of April that took place at CERN. The outcome of the workshop is two-fold: minutes of the workshop; and a White Paper.

The minutes are finalized and highlight a number of areas that can form the seeds of high-level Work Packages. The White Paper based on these minutes attempts to structure these proto-work packages (WP's) in a single document around which the DRD5 Proposal is being built. **The White Paper is now frozen.**

The DRD5 proposal (with six work packages) that formed the main focus of the Oct. 2-4 open workshop is now at version 0.5, and can be found here.

The next steps are to improve the proposal (one new version every 2 weeks) so that by the end of November, a version 0.9 that is close to the final version can be circulated widely to further groups than those that were involved in the process until then. **Submission by the end of the year is the target.** We will shortly provide a list of contacts for each of the six working groups here, so that interested individuals can help refine the proposal through them.