

DRD7 – Collaboration Board Chair Statement

3rd DRD7 Workshop

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Attilio Andreazza

(INFN and University of Milano)



UNIVERSITÀ DEGLI STUDI DI MILANO
DIPARTIMENTO DI FISICA

- I started my career in the DELPHI experiment at LEP, where I participated to the operation and upgrades of the vertex detector and to tau lepton physics studies. I currently participate in the ATLAS experiment at CERN's Large Hadron Collider, where I studied the decay of the Higgs boson in $\tau^+\tau^-$ pairs and now I am involved in the construction of the new silicon pixel detector of the ATLAS ITk for the High-Luminosity LHC. I am also looking at monolithic detector development for tracking at a future circular e^+e^- Higgs factory.
- I have been working in strong connection with electronics groups and designers since 1999 when I started a post-doc on the development of the pixel detectors now taking data in the ATLAS experiment. I have been involved in the FTK project, for track reconstruction with associative memories and I am a member of the RD53 and ARCADIA Collaborations. The Milano group I represent in the CB is also involved in silicon photonics, development of high-performance timing chips, power distribution design for ATLAS LAr calorimeter and the Dune experiment.
- *I am also member of the DRD3 Collaboration*

I am not a hardcore electronics developer, being more from the "user" side, my profile is complementary and can bring a new point of view in the step of the collaboration formal building process

- Particle Physics is even more a global challenge now than when the large LHC collaboration started. **Designing new and more performant detectors requires access to costly technologies and very specialized expertise**, which is always scarce. The DRD model implemented as an ECFA action, is a way to address these issues which may change the paradigm of how the R&D in the technologies needed for the progress of Nuclear and Particle Physics is organized.
- Indeed, to me DRD7 should target to become the center of attraction of the best experts in Electronics within the Nuclear and Particle Physics community. I expect that, **if the DRD model proves attractive, additional forces** with strong capabilities and bright ideas **would like to join our collaborative framework**, and this will be a key ingredient in pursuing the DRD7 mandate.
- I am committed to **working together** with the steering committee, with the future governance and with the funding agencies or institute representatives, to make DRD7 a strong and successful Collaboration.

I am really grateful to the steering committee for setting the DRD7 path, their expertise and dedication is an asset for the collaboration.

In particular I appreciate the structure focused on Work Packages and the strong connection between membership and contribution to deliverables

- If elected as CB chair, my top priority will be setting up the **collaboration rules** so that we can smoothly proceed to signing a framework MoU that will allow to **officially start** the working projects we have already signed in.
 - define how DRD7 would like to customize the generic DRD MoU, temporarily set during the MoU approval process
 - for some institutes this is important to apply for fundings
- My duty as CB Chair will be to prepare a path in which all **participating institutes will feel involved** in the definition of the collaboration structure and could express their preference among the viable options.
 - Governance structure
 - The Steering Group, with its competences, is a specific structure of DRD7
 - The collaboration needs to have an open discussion and explicit decision about that
 - Election rules must be agreed
 - Common funds
 - Controversial issue: an overhead, but it may also support an effort of collaboration building
 - Process to accept new institutes
 - Process to call and approve new projects

I would like to organize the next steps if elected

- CB meeting in October
 - discussion of collaboration rules
 - organize offline vote on major items submitted to the board
 - approval of CB Chair Deputy
 - (Resource Coordinator)
- CB meeting in November
 - approval of text of the collaboration rules
 - need enough time for the draft to be circulated and commented
 - start of the process of nomination for Steering Committee/Spokepersons
 - *open a competition for the DRD7 logo* 😊
 - (set up of the Resource Board)
- Elections in December/January, depending on the outcome of the nomination process
- CB meeting late January/beginning of February
 - endorsement of appointments by the governance (WP coordinators, deputies...)