

Towards DRD Calorimetry Software Needs

Detector Physics, Simulation, Algorithm
and SW Tools Working group

- DRD6 as a collaboration will allow to create an organic ecosystem for common activities all the R&D need to carry on
- Software-wise we can think about these:
 - Data models and data management
 - DAQ software
 - Simulation
 - Particle flow algorithms
 - Machine learning approach
 - Performance
 - ...

What else do we need on our list?

Testbeam data analysis will provide a large fraction of our scientific output.

- Do we need regular software and physics meetings?

- Software we use (e.g., G4, EUDAQ, DD4HEP...) are developed by collaborations
 - each have its own repository – no duplication
 - how DRD6 community interacts with these collaborations?
- Internal organization
 - We may want to have a WG coordinator
 - Per each SW aspect
 - we may want to have a reference person
 - defining specific tasks we may need (survey in the WPs)
 - call for participation in each sub-task to join the effort
 - ...