

Minutes of the FCC software informal meeting, 3 July 2014, 2:00pm

Present: Federico Carminati, Andrea Dell'Acqua, Markus Frank, Fabiola Gianotti, Clément Helsen, Patrick Janot, Alberto Ribon, André Sailer, Andy Salzburger, Anna Zaborowska.

Andrea reported about the FairRoot presentation made by Mohammad Al-Turany at the FCC-SW weekly meeting held on 26 June. FairRoot is a full package (not just a framework), containing detector description, G4 simulation, reconstruction, etc. In the ensuing discussion, there was agreement that it would be good to evaluate it.

A bit before the meeting (which he could not attend) Benedikt sent a mail to the `fcc-experiments-sw-dev@cern.ch` mailing list with a few examples of how to use Gaudi to read HepMC events, run a jet algorithm and create histograms:

see <https://github.com/HEP-FCC/FCCSW> and <https://sft.its.cern.ch/jira/browse/FCC>.

Some of the people at the meeting volunteered to look at it. People willing to join the development team will need to open a github account: <https://github.com/orgs/HEP-FCC/members>

It was agreed that the highest priority is now to develop the event data model. Benedikt, Clément and Colin started to work on it. Colin will be absent for several weeks and Benedikt for two weeks. In the meantime, we will organize a presentation of LCIO at the next FCC-SW meeting (10 July, the last one before the Summer break) and also ask Benedikt to send us his opinion about LCIO by Email.

Clément, Carlos and Andrea will continue and intensify their work on DD4HEP + G4, in particular to understand why parts of the output are not meaningful. Recently the LC group has decided to use DDG4, which opens the door to common work and synergies. Andy Salzburger will make an inventory of tools needed for tracking and muon reconstruction.