

Minutes of the FCC software informal meeting, 31 July 2014, 1:30-2:00 pm

Present: Markus Frank, Fabiola Gianotti, Benedikt Hegner, Clément Helsens, Patrick Janot, Alberto Ribon, André Sailer, Carlos Solans.

It was mentioned that access to the code through Ghit is not trivial and better documentation would be welcome. Benedikt promised to make the instructions used in CMS available to the FCC-SW group.

Referring to S. Chekanov's presentation at the last meeting (10 July), Carlos said that the proposed data format compression scheme is potentially interesting. At that meeting it was suggested to ask Peter van Gemmeren to investigate compression mechanisms in ROOT. Benedikt will look at the slides and report his opinion. It was stressed that our first priority is to have a simple event data model (ROOT or LCIO based) available as soon as possible, so as to enable physics and detector studies.

Carlos made progress with DD4HEP and G4 (DDG4); he developed a simple Python file allowing shooting particles through the G4 simulation of the FCC-hh detector and reading hits with ROOT. Markus found a problem in the description of the calorimeter.

Next meeting: 7 August 2014.