INTRODUCTION AND NEWS

LCG Physics Validation Meeting - 7 July 2010

A. Dotti

- Many thanks to Alberto Ribon for his precious work in these years

- Please contact me at <u>andrea.dotti@cern.ch</u> if you need any information or question about the "Physics Validation Project"

News

- Geant4 9.4.beta has been released

    - beta: only source code is available

    - Release Notes contain detailed informations

- Users are encouraged to test it and compare with test-beam data

- For LHC experiments: expect improvements/changes in Bertini model. QGSP_BERT is affected

News

- QGSP_FTFP_BERT has been moved from "experimental" to "supported" physics list

- FTFP_BERT and QGSP_FTFP_BERT have been revised: now use CHIPS models for all "misc" particles including anti-protons, anti-neutrons and hyperons. In addition uses CHIPS cross-sections for kaons

- New "experimental" physics list QGSP_BERT_CHIPS, again uses CHIPS for "misc" particles and kaons cross-sections