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Simulation documentation review 09

- contact: Julia Yarba
- NOTE: comments/suggestions are welcome any time

Progress as of 07/24/09

- WorkbookSimDigi is approx. 80% updated;
still missing are sections of DataFormats and on the Reproducibility of the Simulated Events.

Progress as of 08/21/09

- SWGuideDataFormatSimG4Core filled up with basic information (incl. pointer to example EDanalyzer)
- DataFormats subsection added to the WorkbookSimDigi, also with pointers to SWGuideDataFormatSimG4Core

Progress as of 08/27/09

- SWGuideSimulation restructuring started, now at ~60-65%;
- SWGuideVertexSmearing - put in materials on Vertex Smearing, previously scattered through the Workbook and SWGuideSimulation;
added tips on Flat & Gaussian modules;
still missing tips on Betafunc (ask Fransisco ?) and BeamProfile (have asked Sunanda to fill up)
- SWGuideOscarProducer - new twiki page, moved here tips on OscarProducer (g4SimHits) from SWGuideSimulation; WORK IN PROGRESS
- Asked Gabriele Benelli to provide instructions on using cmsDriver with --customize option for event reproducibility, waiting for response

Progress as of 09/02/09

- Materials in the SWGuideOscarProducer have been subdivided into sections, updated, link to useful resources and documents set where necessary;
the list of configuration parameters is still only **partially** documented, more tips will be added gradually;
however, sensible skeleton has been laid
- Vesna Cuplov and Christophe Delaere have been contacted with request of Tracker Digi's twiki documentation
- Fransisco Yumiceva has been contacted to provide docs on Vtx Betafunc smearing
- Still missing:
 - ◆ RNDM and event reproducibility needs to be added to WorkbookSimDigi, also to be updated in SWGuideSimulation
 - ◆ DigiSimLink data product info needs to be added to somewhere in SWGuideDataFormatSim domain (still need to research what component does it, and how to use the product)

Progress as of 10/27/2009

- In SWGuideVertexSmearing - Vtx Betafunc smearing is now documented <br Still missing:
 - ◆ Vtx BeamProfile (need to ask Sunanda again)

- In SWGuideSimulation - Tracker (Pixel & SiStrips) digis are now documented

Still missing:

- ◆ Muon digi's are in a poor shape
- ◆ Info on RNDM handling needs to be added (need to double check with Gabriele Benelli)
- In SWGuideDataFormatSim - still need to document SimDigiLink (plus example)
- General - in DataFormats need to find out how to link to the class itself (doxygen or what ?)

-- KatiLassilaPerini - 08 May 2009

This topic: CMSPublic > SWGuideSimDocReview09

Topic revision: r8 - 2009-10-27 - JuliaYarba



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