

Table of Contents

Event generation documentation review 09.....	1
Progress as of May 22, 2009:.....	1
Progress as of May 28, 2009:.....	1
Progress as of June 3, 2009:.....	1
Progress as of June 9, 2009.....	1
Progress as of June 10, 2009.....	2
Progress as of June 11, 2009.....	2
Progress as of June 19, 2009.....	2
Progress as of June 26, 2009.....	2
Progress as of August 13, 2009.....	2
Status as of October 27, 2009.....	2

Event generation documentation review 09

- Contact: Julia Yarba
- NOTE: any kind of feedback/suggestions are most welcome, even at this intermediate stage.

Progress as of May 22, 2009:

- initial plan send to Generators conveners (with copy to Kati); area where immediate help is needed identified (GeneratorTaskList, GeneratorMain)
- Thiago Tomei (AlpGen responsible) and Kati kindly agreed to meet and discuss details of updating the AlpGen materials
- "30-sec intro" of the WorkBook (chapter 6) has been updated quite a lot, but some work is still needed
 - an email sent to Partizia Azzi & Salavat Abdullin, on whether to include tips of FastSim - based on their feedback, updates maybe added -- still need to send email to Maarten Thomas and ask to update materials on cmsDriver
- NOTE: May 25 was a holiday in the US, and on May 26 I took a day off

Progress as of May 28, 2009:

- "30 sec intro" of the WorkBook (chapter 6) is reasonably complete. Gen and G4 Sim info is also complimented by a few tips on FastSim - this is a new addition, as agreed with the FastSim group. A few things may still be refined, based on feedback.
- Initial feedback received from Gen leaders, on the proposed work plan; will need to incorporate suggestions and further coordinated detailed plans.
- Update of WorkBookGeneration (chapter 6) has started, now progressed by ~40%. General aspects are covered (sometimes roughly). Examples still out-of-date. Many details will need to be refined, including links and related materials. Gen data formats listed, but support materials/tables need to be implemented (separate twiki).
- Some questions common to Gen & G4 Sim have been sent to Fabio & Filippo (G4 Sim)

Progress as of June 3, 2009:

- WorkBookGeneration (chapter6) is roughly updated, although certain things are still quite rough. All information is up-to-date, most links are in place. However, a number of aspects can still be refined. Still **missing**:
 - ◆ an example application for an ME generator
 - ◆ support materials on the Gen data formats

Progress as of June 9, 2009

- Started update of SWGuidePythia6Interface page; ~35-40% done.
- Checked status of AlpGen documentation - "private" writeup is in good shape, will soon be copied over to SWGuideAlpGenInterface.
- Contacts with Dimitri Bourilkov, regarding SWGuideLHAPDF (separate page).

Progress as of June 10, 2009

- Update of the pre-existing materials in SWGuidePythia6Interface reasonable complete. However, some instructions still **missing**:
 - ◆ stop- or r-hadrons generation
 - ◆ using Py6 as a "hadronizer", to process ME partons
- LHAPDF documentation/sections branched out into a separate twiki page, SWGuideLHAPDF; Dimitri contacted and will hopefully provide more updates.

Progress as of June 11, 2009

- Update of the SWGuideTauolaInterface (used to be Tauola, name change; also changed parent topic from CMS to SWGuideEventGeneration)

Progress as of June 19, 2009

- SWGuideAlpGenInterface now combines instructions and tips for the 31x series (ported from "private" twiki); Thiago will refine/finalize the writeup.
In general, we now have 2 **related, cross-pointing** docs: SWGuideCMSAlpGen (AG as ME tool) and SWGuideAlpGenInterface (CMSSW part).
Note: instructions for 2xx also kept, at the bottom of the page

Progress as of June 26, 2009

- Example of processing MG sample through Py6 committed to CVS, referred to in the newly added sections to WorkbookGeneration & SWGuidePythia6Interface
- CMS.GeneratorTaskList - cleaned up (by Roberto Chierici); daughter twiki's marked as "View Twiki" if up-to-date (by responsible developers) or "under construction" if out-of-date (responsible developers will be bugged shortly)
- CMS.GeneratorMain - update in progress (by Roberto Chierici)

Progress as of August 13, 2009

- Filled up SWGuideDataFormatGeneratorInterface

Status as of October 27, 2009

- WorkbookGeneration is in decent shape, but need a few updates related to recent changes in cmsDriver (34x cycle)
- CMS.GeneratorTaskList and most important underlying materials (generator-specific twiki's) are reasonably up-to-date, but other twiki's (2nd order of importance) linked to it still need to be updated
- SWGuideEventGeneration still needs to be restructured
- Materials on Generators DataFormats are in reasonable shape but some details may need refining

-- KatiLassilaPerini - 08 May 2009

This topic: CMSPublic > SWGuideGenDocReview09

Topic revision: r15 - 2013-03-18 - ThiagoTomei



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