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How to use the AMPTInterface in CMSSW

Complete: 

Goal of this page

The aim of this page is to document the CMSSW interface to the AMPT Monte-Carlo generator where the code lives, how to run it, and details of the implementation.

General Info

CMSSW Release Status

The AMPTInterface was first included in CMSSW as of release CMSSW_3_4_0_pre4.

There is a double/float bug in CMSSW versions <5_X. Please check out/compile a later version to make it work.

Ongoing developments

Interface AMPT input parameters in CMSSW

Code

The AMPTInterface code lives in the package `GeneratorInterface/AMPTInterface`.

Original Generator

The present version of AMPT used in CMSSW is version 1.25/2.25. For more information see: [AMPT homepage](#).

Running Instructions

Under construction

Official Configuration files

The file `GeneratorInterface/AMPTInterface/python/amptDefaultParameters_cff.py` contains default parameters for the AMPT generator.

The file `GeneratorInterface/AMPTInterface/python/amptDefault_cfi.py` contains the configuration of a complete generator module (EDFilter).

Physics settings

The settings for various physics scenarios are described in: `input.ampt`

Under construction

Implementation details

Under construction

Further information

- <http://karman.physics.purdue.edu/OSCAR/>

Contact

Any questions, suggestions, complaints you have, please send email to the CMS-HI software list ([hn-cms-hiswDevelopment@cernNOSPAMPLEASE.ch](mailto:hn-cms-hiswDevelopment@cern.ch)).

Review status

Reviewer/Editor and Date	Comments
PhilipAllfrey - 3 Dec 2009	created page as part of documentation review

Responsible: WeiLi

This topic: CMSPublic > SWGuideAMPTInterface

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