

HepMCAnalyser - a tool for MC generator validation

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HepMCAnalyser is a tool for generator validation and comparisons. It is a stable, easy-to-use and extendable framework allowing for easy access/integration to generator level analysis.

It comprises a class library with benchmark physics processes to analyse HepMC generator output and to fill root histogramms. A web-interface is provided to display all or selected histogramms, compare to references and validate the results based on Kolmogorov Tests.

Steerable example programs can be used for event generation. The default steering is tuned to optimally align the distributions of the different generators.

The tool will be used for generator validation by the Generator Services (GENSER) LCG project e.g. for version upgrades. It is supported on the same platforms as the GENSER libraries and is already in use at Atlas.

Presentation type (oral | poster)

poster

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