Student Report Herwig++

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- MC is used to compute integrals with the help of random numbers
- strongly dependent on quality of the random number generator

Mind the choice of your random number generator!



- Herwig++ is an event generator
- controlled by input files (xxx.in)
- has a default setup
- compiled into a xxx.run file
- accessed by command line



- generates events
- computes the total cross section of a reaction
- analysis handlers analyse the events, e.g. draw histograms

simulation steps

simulation steps can be controled by *step handlers* e.g. the ShowerHandler

hard processes

the hard process is the main event can be changed in the SubProcessHandler

radiation

QCD radiation can be considered either before or after the hard process

particle properties

properties of every particle can be changed, new particles can be added

vertices can be added or changed

new physics can be added

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Questions

Are there any questions?

