

Comphep_i: An interface between Comphep and Athena

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This package runs Comphep from within Athena.

See the example in **Comphep_i/share/jobOptions.comphep.py** which shows how to read Comphep events and hadronize them using Pythia.

Users must first run Comphep in standalone mode and make a file of events. An athena job then takes these events hadronizes them and passes them down the Athena event chain. The events must be made with a version of Comphep that is compatible, recent versions that support the Les Houches interface should be acceptable. CompHep version 4.4.3 is currently interfaced.

Modify the file inparmCompHep.dat that you will find in your run area. You specify the name of your event file here. No Athena recompilation is needed to process the events.

Comphep information can be found here

<http://theory.sinp.msu.ru/parser/parser.php?file=/phpcms/comphep>