

HvGen.i: An interface between HiddenValley Generator and Athena

Version in release 13.0.0 and later

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This package runs HV generator from within Athena.
See the example in **HvGen.i/share/jobOptions.HvGenPythia.py** which show how to read HV events and hadronize them using Pythia.

Users must first run HV Generator 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 HV generator that is compatible. Compatible versions can be found in: </afs/cern.ch/user/g/giagu/public/HvGen> and </afs/cern.ch/atlas/offline/external/hvgen>

To hadronize HV generated events with Pythia, you only need to run athena with the jobOptions file `jobOptions.HvGenPythia.py` by typing in the prompt
athena jobOptions.HvGenPythia.py

More information about Hidden Valley Models and HV generator here:
</afs/cern.ch/user/g/giagu/public/HvGen/doc>
</afs/cern.ch/atlas/offline/external/hvgen/doc> and in:
<http://www.phys.washington.edu/users/strasslr/hv/hv.htm>