

# Acermc.i: An interface between Acermc and Athena

## Version in release 6.5.0 and later

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This package runs Acermc from within Athena.

See the example in **Acermc.i/share/jobOptions.AcermcPythia.py** and **Acermc.i/share/jobOptions.AcermcHerwig.py** which show how to read Acermc events and hadronize them using Pythia or Herwig

Users must first run Acermc 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 Acermc that is compatible, recent versions that support the Les Houches interface should be acceptable. There is a compatible version in /afs/cern.ch/atlas/offline/external/acermc

To hadronize **AcerMC** generated events with Herwig, you only need to run athena with the jobOptions file jobOptions.AcerMCHerwig.py by typing in the prompt  
*athena jobOptions.AcerMCHerwig.py*

To hadronize **AcerMC** generated events with Pythia, you only need to run athena with the jobOptions file jobOptions.AcerMCPythia.py by typing in the prompt  
*athena jobOptions.AcerMCPythia.py*

More information about ACerMC here  
<http://borut.home.cern.ch/borut/>