

HPS Java Software Release 1.5

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SLAC

Details

- Package: hps-java
- Date: Feb 13 2013
- Version: 1.5
- Location:
<http://www.lcsim.org/maven2/org/lcsim/hps-java/1.5/>
- Executable JAR:
<http://www.lcsim.org/maven2/org/lcsim/hps-java/1.5/hps-java-1.5-bin.jar>
- CVS:

```
export CVSROOT=:pserver:anonymous@cvs.freehep.org:/cvs/lcd  
cvs co -r hps-java-1_5 -d hps-java-1_5 hps-java
```

Dependencies

- lcsim 2.7
 - lcsim-parent 2.5
 - GeomConverter 2.5
- hps-detectors 1.3
- hps-et-java 12.2
 - jevio-base 4.3

How to Get and Run It

- Get the JAR

```
wget http://www.lcsim.org/maven2/org/lcsim/hps-java/1.5/hps-java-1.5-bin.jar
```

- Execute a steering file *

```
java -jar hps-java-1.5-bin.jar -i myEvents.slcio \  
    hps-java-1_5/src/main/resources/org/lcsim/hps/steering/StarterAnalysis.lcsim
```

- * For now, must get steering files externally but this will change next release. (see last slide)

Command Line Syntax

```
java -jar lcsim-bin.jar [options] steeringFile.xml
```

usage:

- D Define a variable with form [name]=[value]
- i Add an LCIO input file to process.
- n Set the max number of events to process.
- p Load a properties file containing variable definitions
- q Turn on quiet mode.
- s Set the number of events to skip.
- v Turn on verbose mode
- w Rewrite the XML file with variables resolved
- x Perform a dry run which does not process events

Post Release Dependencies

- Icsim 2.8-SNAPSHOT
 - GeomConverter 2.6-SNAPSHOT
- hps-detectors 1.4-SNAPSHOT
- Other dependencies still on stable releases:
 - hps-et-java
 - jevio-base
 - etc.

Website



- URL

- <http://www.lcsim.org/software/hps-java/1.5/index.html>

- It is very incomplete right now...

- No javadoc
 - No link to bug tracker
 - No developers listed

- Plan to improve this a lot next release!

- Demo site for current snapshot (includes above improvements)

- <http://www.lcsim.org/software/hps-java/1.6-SNAPSHOT/>

Plans for Next Release

- ✓ Execute XML steering file resources from command line
- ✓ Fix for LCIO writer memory leak
- ☐ Improve the automatically generated website
- ? Fix display of tracks in Wired
- ? Tracking improvements/updates

>>> *Other issues???* (up for discussion)