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Subject: Lelaps  
Posted by [langeveld](#) on Fri, 12 Mar 2004 18:44:39 GMT  
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So here's a topic to discuss Lelaps. For documentation on Lelaps, see (for the moment):

<http://www.slac.stanford.edu/~wglp09/Lelaps>

Willy.

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Subject: Lelaps available from CVS  
Posted by [langeveld](#) on Fri, 30 Jul 2004 19:18:24 GMT  
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To get Lelaps from CVS, type the following:

```
cvs -d :pserver:anonymous@cvs.freehep.org:/cvs/lelaps co lelaps
```

To compile it, do the following:

```
cd lelaps  
make
```

To run it, do this:

```
cd lelaps # change to the lelaps directory inside lelaps!  
lelaps -h
```

The above will show you a number of options. Most likely you will want to use:

```
lelaps -o foo.sio -E bar.stdhep
```

or

```
lelaps -o foo.slcio -E bar.stdhep
```

You can create one output file for multiple stdhep input file by just specifying more than one .stdhep file:

```
lelaps -o foo.slcio -E bar1.stdhep bar2.stdhep ...
```

or even:

```
lелaps -o foo.slcio -E *.stdhep
```

By default it simulates SDJan03, but you can change the detector using:

```
lелaps -L LDMar01 -o foo.slcio -E *.stdhep
```

Willy.

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Subject: Lелaps V03-20-25 available from CVS  
Posted by [langeveld](#) on Thu, 26 Aug 2004 00:19:04 GMT  
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The latest version of Lелaps, V03-20-25, is now available from CVS.

The only difference from previous versions is that it now implements the SimulatorStatus bits for LCIO, hopefully correctly.

To get this version, type:

```
cvs -d :pserver:anonymous@cvs.freehep.org:/cvs/lелaps checkout -r V03-20-25 lелaps
```

To compile on Solaris, Linux or Cygwin, cd to the lелaps directory and type "make".

Willy.

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Subject: LiC Detector Toy  
Posted by [mitaroff](#) on Mon, 24 Jul 2006 14:08:17 GMT  
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A simple but powerful software tool for detector design studies, aimed at investigating the resolution of fitted track parameters in the vertex region for the purpose of comparing and optimizing the track sensitive devices and the material budgets of various detector set-ups. This is achieved by a mini simulation of the set-up (rotational symmetric w.r.t. the beam axis, homogeneous magnetic field), followed by a full track reconstruction.

A first presentation has been made by Meinhard Regler ([regler@hephy.oeaw.ac.at](mailto:regler@hephy.oeaw.ac.at)) at the 3rd SiLC Collaboration Meeting last June in Liverpool; his slides can be downloaded from

here .

The package is written in MatLab. A pre-release, covering only "barrel region" tracks, is available from Meinhard. Preliminary documentation can be downloaded from [http://www.hephy.oeaw.ac.at/p3w/ilc/reports/LiC\\_Det\\_Toy/UserGuide.pdf](http://www.hephy.oeaw.ac.at/p3w/ilc/reports/LiC_Det_Toy/UserGuide.pdf).

Recent addition is a simple interface to the VERTIGO DataSeeder for vertex reconstruction by the RAVE toolkit. An official release, including also the "forward/backward region", is due by autumn this year.

Cheers, Winfried

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