

Usage of IRENE in nextoffline

- ◆ environment variables that need to be configured:

```
export IRENE_BASEDIR=absolute_path_to_irene_folder
export PATH=$PATH:$IRENE_BASEDIR/bin
```

```
export DYLD_LIBRARY_PATH=$DYLD_LIBRARY_PATH:$IRENE_BASEDIR/lib
```

- ◆ add the latest (trunk) version of the SRT_NEXT and IreneReader packages

```
addpkg -h SRT_NEXT
addpkg -h IreneReader
```

- ◆ add irene in the list of libraries to link to inside your xml job file
- ◆ if you want to create a new package that uses IRENE, make sure to add the following line to its GNUmakefile:

```
include SoftRelTools/arch_spec_irene.mk
```

- ◆ Input files must have a .next extension. If they have not, just create a symbolic link (if it doesn't exist already):

```
ln -s filename.root filename.next
```

How to inspect MC true information

(for those who are interested also in generating MC, please refer directly to Justo/Paola)

There is a new package, MCDisplay, which prints on the screen the true information contained inside the files generated from nexus.

- ♦ Create an xml job file with only that module running, let's call it MCTrue.xml
- ♦ To access the event with ID number N, just type:

```
ana -x MCTrue.xml -s N -n 1 -i /path_to_nexus_file/namefile.next
```

remember that ID numbers start from 0!!!

A caveat: the -s option just skips the first N events. If you are inspecting a file that is itself a product of analysis and possibly cuts (thus has less events than the simulated one), you may want to inspect the original file instead.

Alternatively, you can set up a counter in your module and use that to know which event you're interested in inspecting.