

TruthJetAnalysis

TruthJetAnalysis: a lightweight framework to analyse Pythia8-generated events

This is a lightweight framework to analyse truth-level events. The events are generated on the fly with pythia8. The generated process is configurable, and so is the number of overlaid pileup events.

The code relies on fastjet, pythia8 and root, all of which can be easily installed on a laptop. However, the install instructions below are for the atlant machines, i.e. for users with a SLAC computing account.

More documentation to follow...

Getting Started & Compile

(1) Check out the code from GIT:

```
git clone https://github.com/SLACJetWorkingGroup/JVFFilter.git
```

(2) Set some environment variables:

```
source setup.sh
```

and modify the setup.sh file to suit your needs...

(3) Compile

```
make
```

(4) run the executable

```
./TruthJets.exe --h
```