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Introduction

This is a 13 TeV search for type III seesaw mechanism heavy leptons.

Setup

To setup the analysis code first set up the AnalysisBase release:

```
asetup Base,2.0.19
```

Then checkout some dependencies, and check that they compile properly:

```
rc checkout (example package)
```

```
rc find_packages
```

```
rc compile
```

Then you can checkout the analysis code and compile again:

```
rc checkout (cutflow svn dir)
```

```
rc checkout (seesaw svn dir)
```

```
rc find_packages
```

```
rc compile
```

You should now be able to run the analysis by running:

```
root -l -b -q 'Cutflow/Run/Steer.cxx (false, "directory of xAOD")'
```

false specifies that we want to run locally rather than on the grid, true will load the xAODs mentioned in the steering macro

This will create a directory one directory up from the rootcore directory, in it we have a slimmed ntuple that we can then process using:

```
root -l -b -q 'Seesaw/Run/Process.cxx ("dir of ntuple")'
```

This will then create a new directory with a root file full of histograms

Then we can process those histograms using the script in Seesaw/scripts:

```
root -l -b 'Seesaw/scripts/test.C ("dir of root file")'
```

These processed histograms will show up in Seesaw/figures

-- DanPluth - 2014-11-20

This topic: [Sandbox > HeavyLepton13TeV](#)

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