

Jae Yu

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Sent: Tuesday, April 12, 2005 11:16 AM
Subject: Data Analysis Routines ready

Location of the files..

/home/venkat/PHYS3446/

```
.
|-- W-E-Nu
|   |-- MakeTMBTreeClasses_so.C
|   |-- RunMC.C
|   |-- TMBTree_bu.C
|   `-- TMBTree_bu.h
|-- W-Mu-Nu
|   |-- MakeTMBTreeClasses_so.C
|   |-- RunMC.C
|   |-- TMBTree_bu.C
|   `-- TMBTree_bu.h
|-- Z-E-E
|   |-- MakeTMBTreeClasses_so.C
|   |-- RunMC.C
|   |-- TMBTree_bu.C
|   `-- TMBTree_bu.h
`-- Z-Mu-Mu
    |-- MakeTMBTreeClasses_so.C
    |-- RunMC.C
    |-- TMBTree_bu.C
    `-- TMBTree_bu.h
```

Instructions:

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1. copy the files in the respective directories into your area  
example:

```
> cp /home/venkat/PHYS3446/Z-E-E/*.*
/home/<your-login-name>/<your-subdirectory>/
```

2. Set the proper environment variables.

```
>source /fnal/ups/etc/setups.sh
>setup D0RunII p14.06.00
>d0setwa
>export DISPLAY=<your-ip-address>:0.
>export SRT_PUBLIC_CONTEXT=/data92/venkat/MC_Analysis/tree_analysis
```

3. Start Root program

```
>root
```

4. Now you are inside root and you should see the command prompt. At the command prompt do -

```
root[] .x MakeTMBTreeClasses_so.C      (Note the  
dot before the x)  
root[] .x RunMC.C
```

5. The output of this program is a root file that contains the necessary histograms which you can view/save/modify.  
The root files are labeled as Z\_E\_E.root, W\_MU\_NU.root, Z\_MU\_MU.root and W\_E\_NU.root respectively.