Chlebana
Apr 23 2002

Recent Data

Used Physics table PHYSICS_0_02[6,xxx] and later (starting with run 134918) since these have the CLC requirement removed from the Jet triggers.

Processed data from several datasets:

```
gtst1c   134918 - 136995  2.1 pb-1
gtst1d   136997 - 138421  1.8 pb-1
gjet01   138425 - 141989  6.7 pb-1
```

Data was processed as one ntuple per run rather than organizing it in terms of filesets.

ntuples are located at:

```
fcdfsgi2:/cdf/data04/s4/qcd/ntuple1/
```

Validation histograms located at:

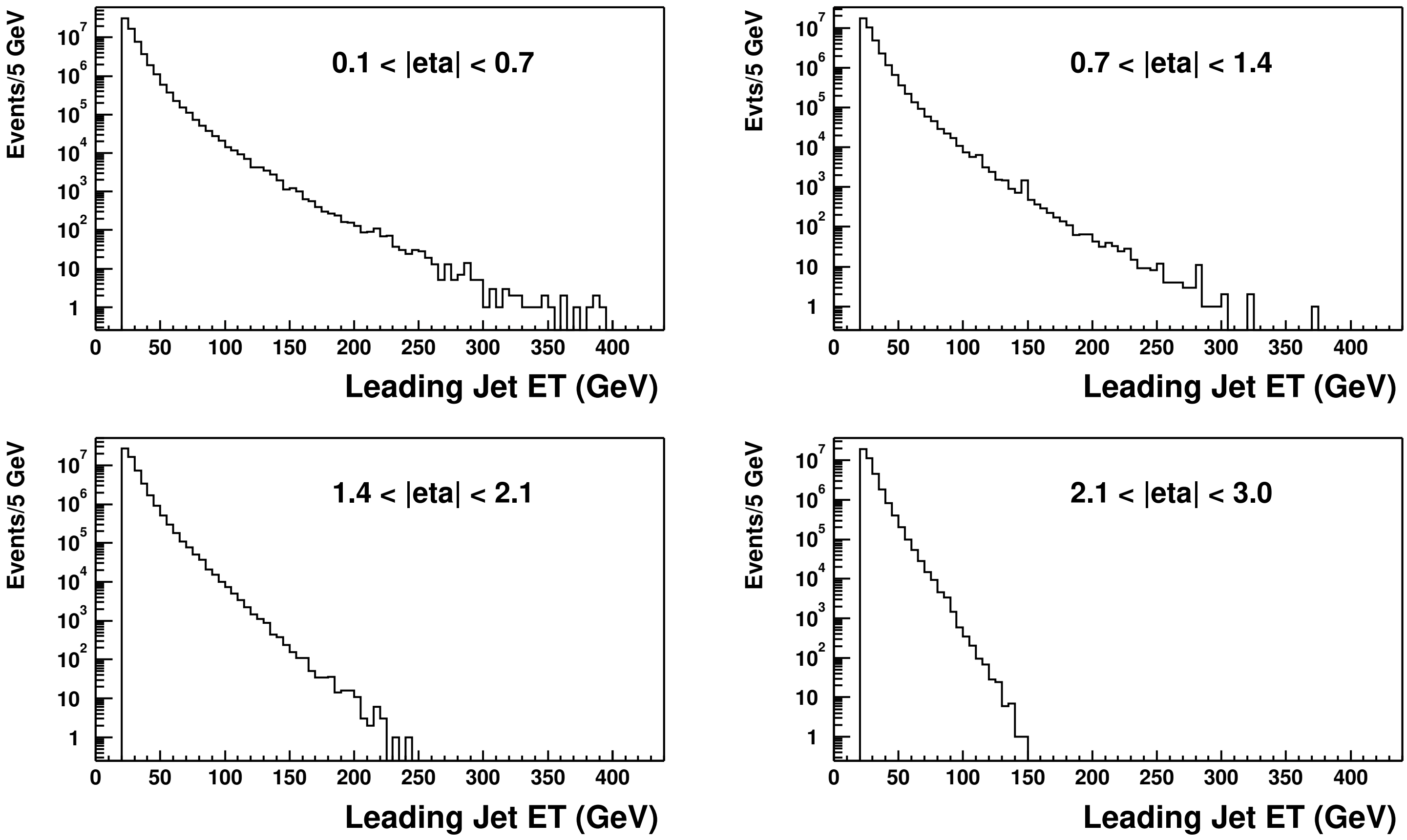
```
fcdfsgi2:/cdf/data04/s4/qcd/validation/
```

Selected events located at:

```
fcdfsgi2:/cdf/data04/s4/qcd/niceEvents
```

Leading Jet ET in CDF Jet Events

CDF Run 2 Preliminary (12/14/2001 - 3/29/2002) 10.7 pb-1



$ETot < 2000$

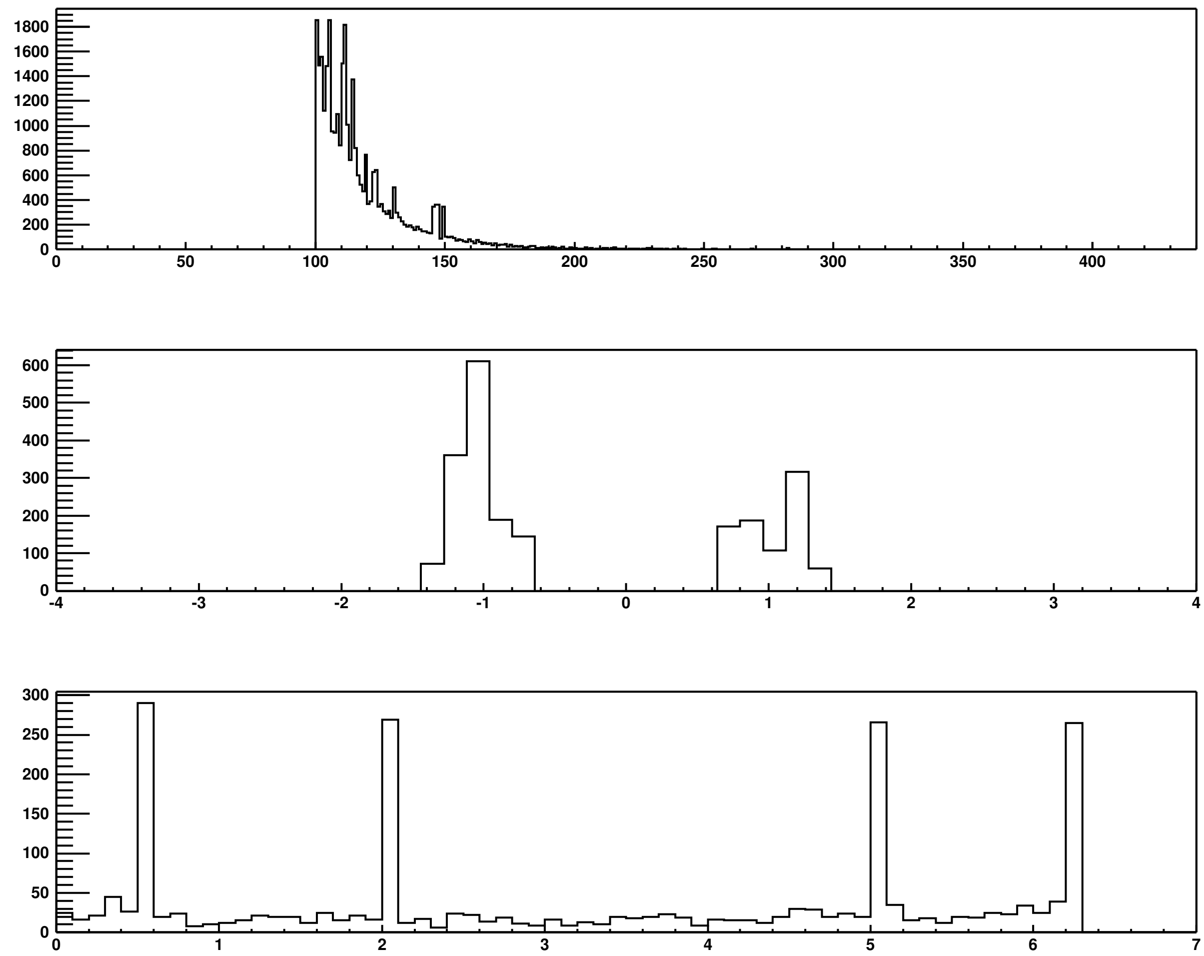
$MEtSig < 6$

$|Vz| < 60$

See some funny features in the Et distribution...

See an excess of events around 150 GeV

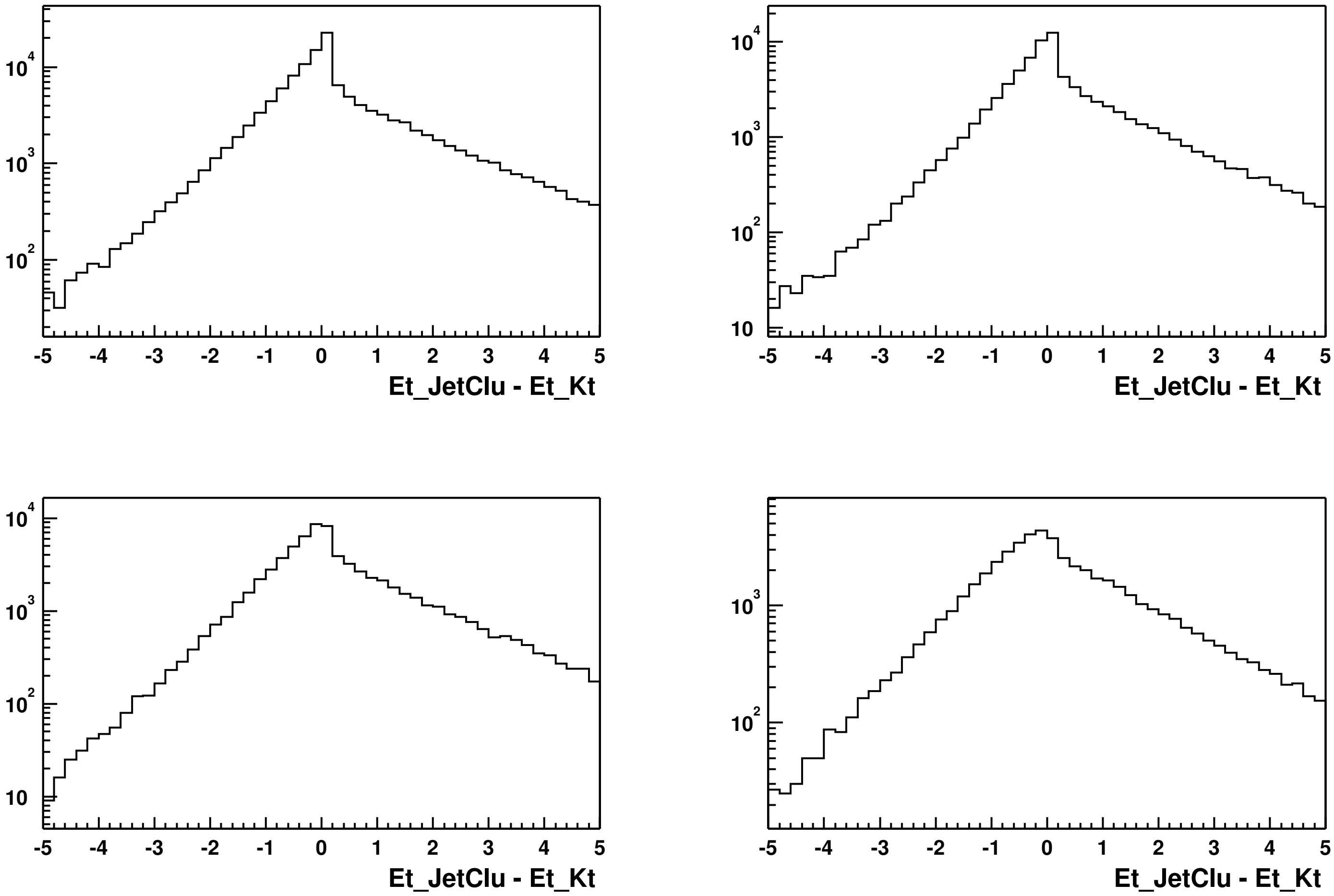
Look more closly around that area...

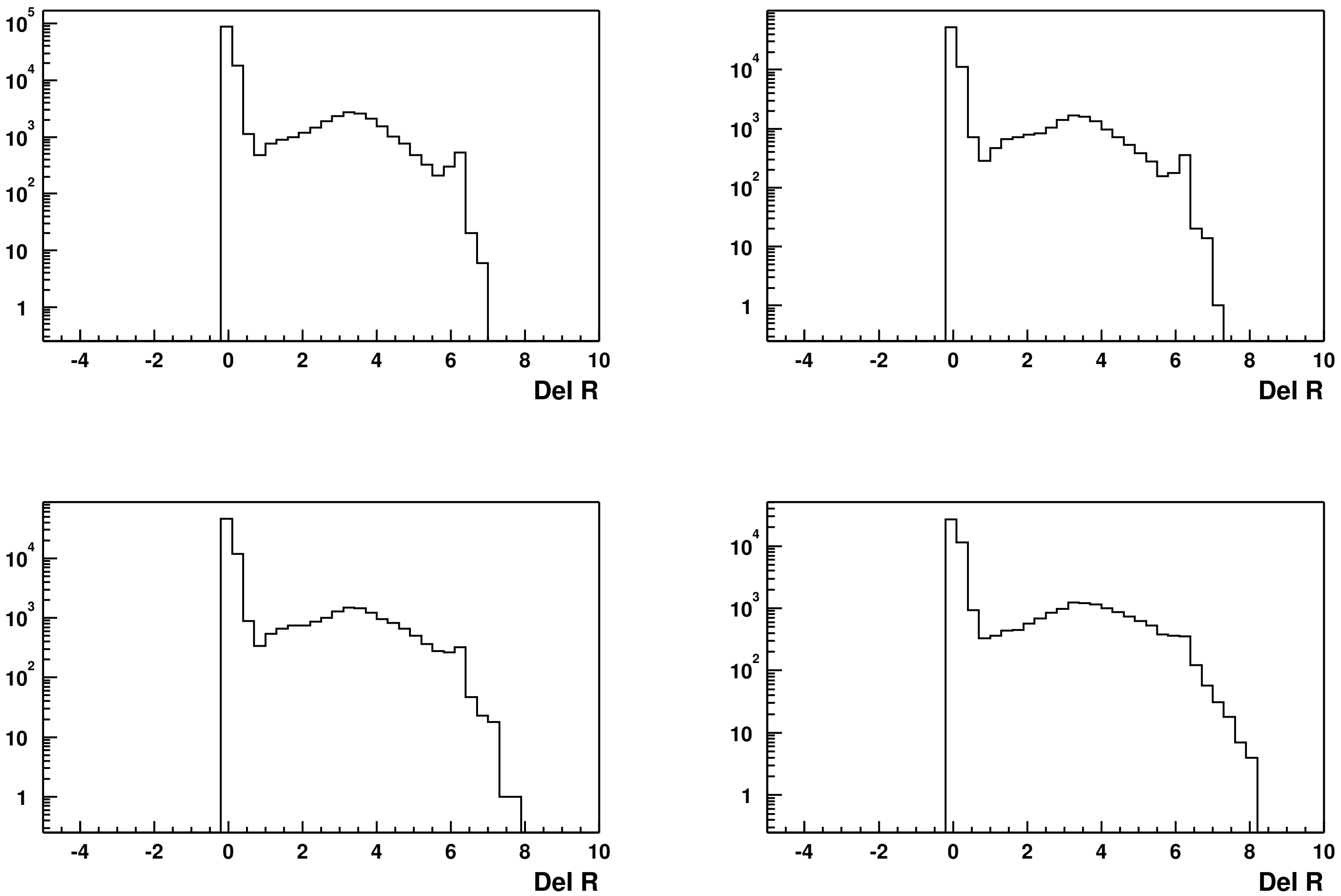


Looked at the jet calibration sample.

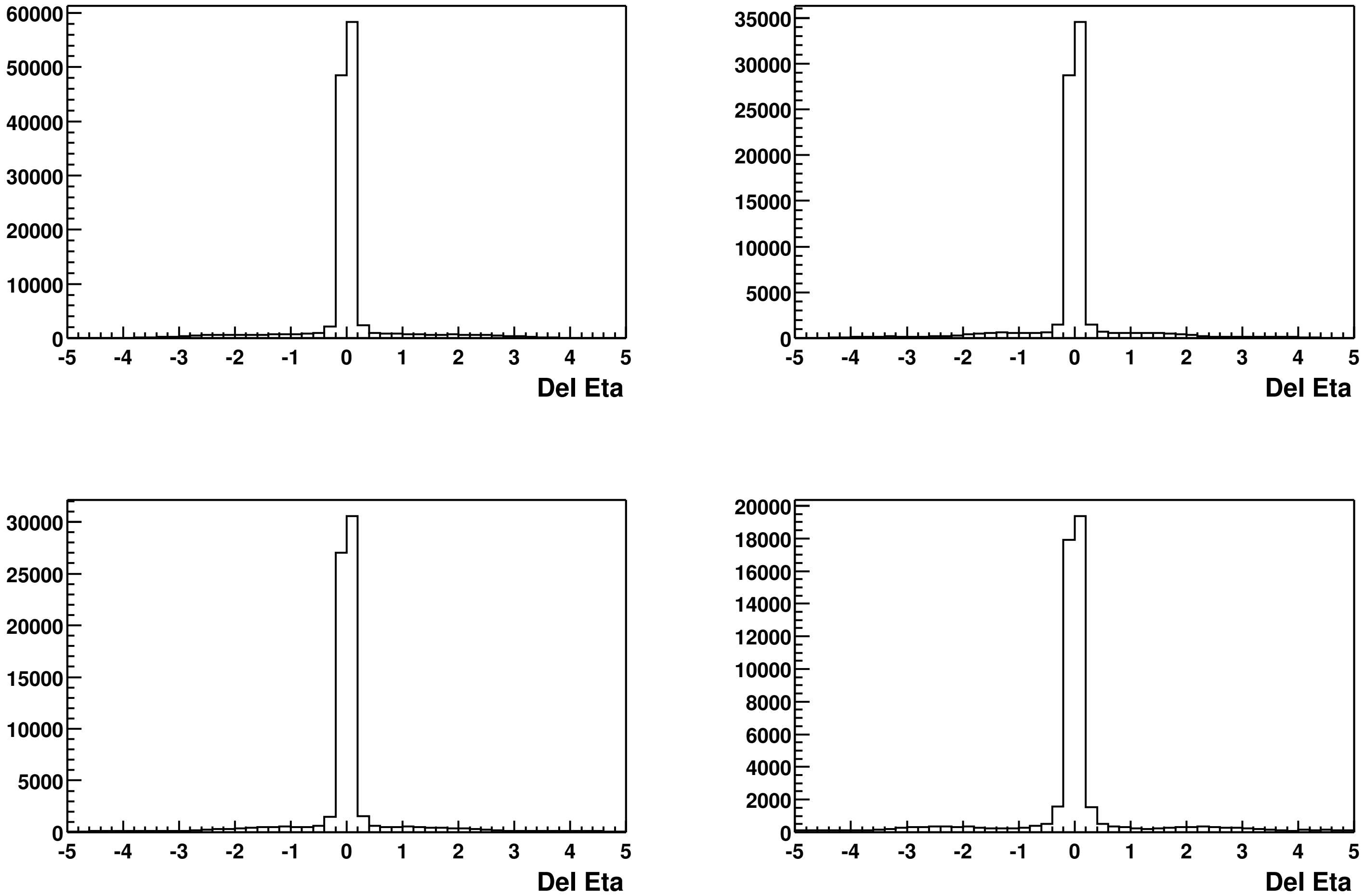
This sample has events triggered by

```
Dataset = gjtc01
output path JET_CALIB
              JET_CAL_SINGLETOWER_10_1HZ_v2
              JET_CAL_SINGLETOWER_5_1HZ_v2
              JET_CAL_TRACK3_ISO_v1
              JET_CAL_TRACK7_ISO_v1
```

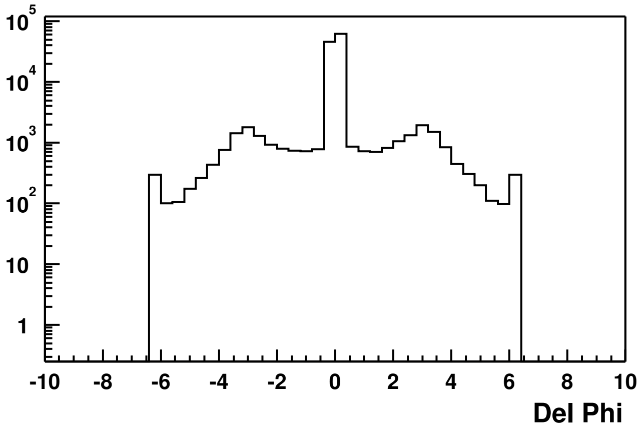

Et_JetClu - Et_Kt
Et_JetClu - Et_Kt
Et_JetClu - Et_Kt
Et_JetClu - Et_Kt



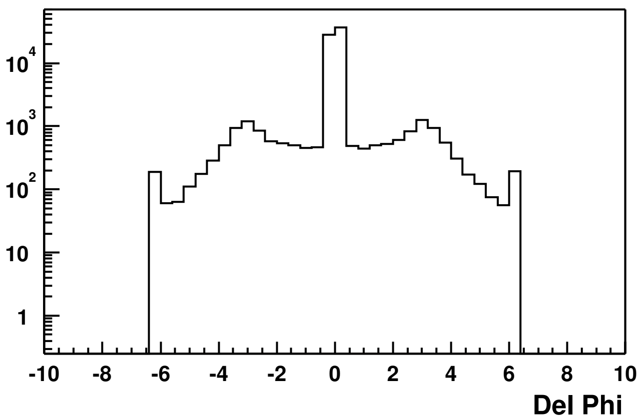
Del R
Del R
Del R
Del R



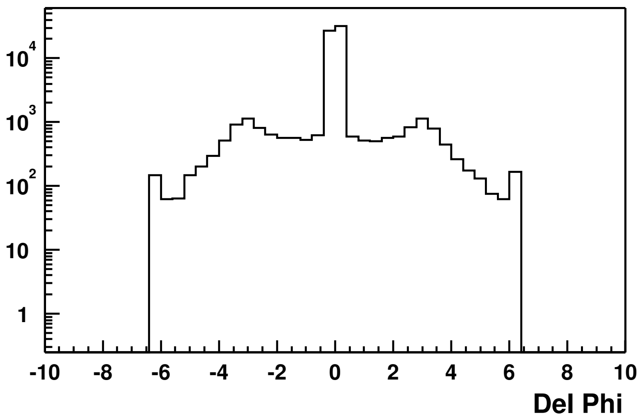
60000
50000
40000
30000
20000
10000
0
-5 -4 -3 -2 -1 0 1 2 3 4 5
Del Eta
35000
30000
25000
20000
15000
10000
5000
0
-5 -4 -3 -2 -1 0 1 2 3 4 5
Del Eta
30000
25000
20000
15000
10000
5000
0
-5 -4 -3 -2 -1 0 1 2 3 4 5
Del Eta
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-5 -4 -3 -2 -1 0 1 2 3 4 5
Del Eta



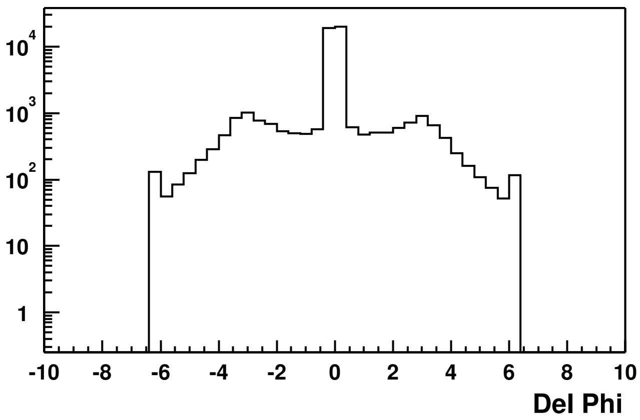
10^5
10^4
10^3
10^2
10
1
-10 -8 -6 -4 -2 0 2 4 6 8 10
Del Phi



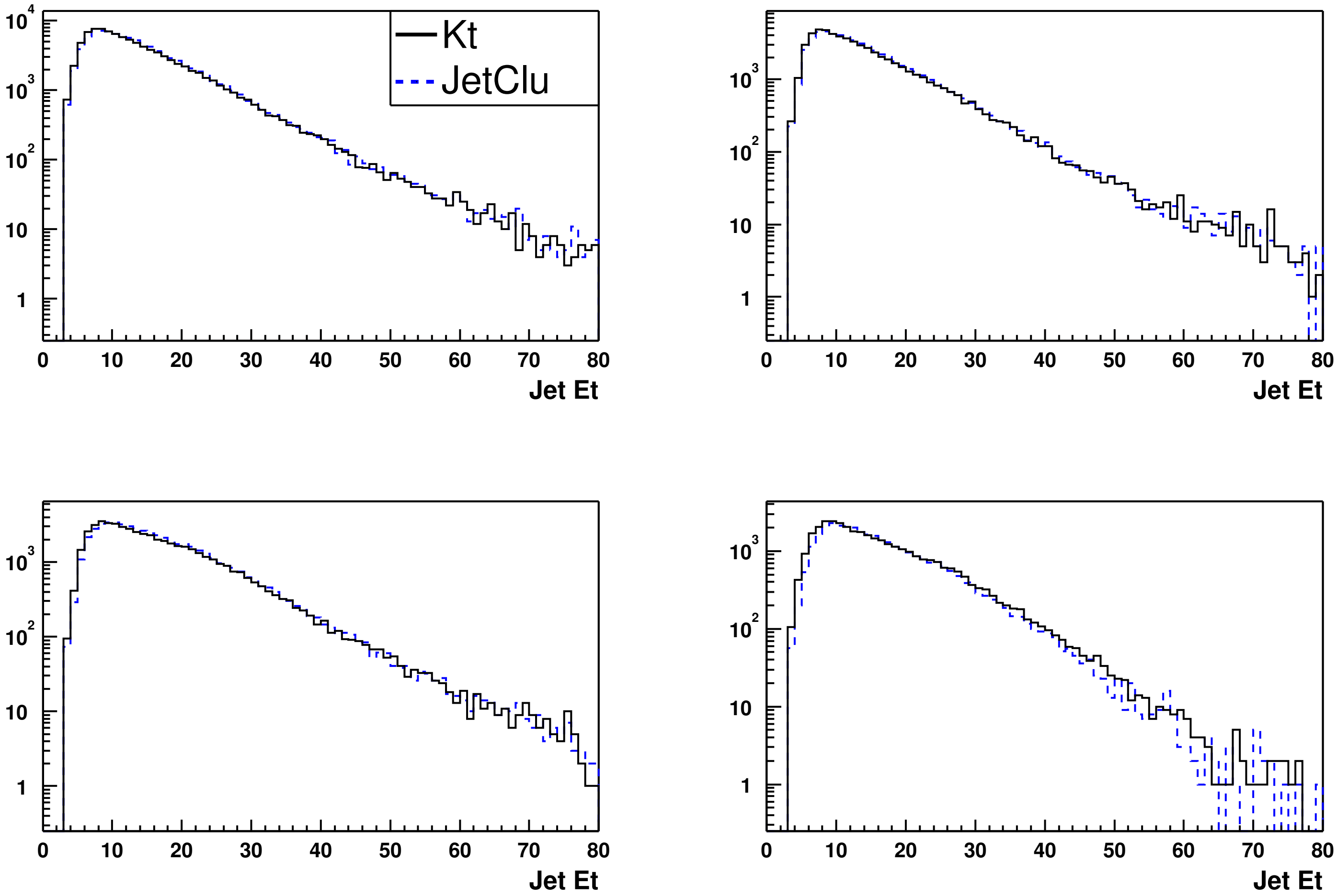
10^4
10^3
10^2
10
1
-10 -8 -6 -4 -2 0 2 4 6 8 10
Del Phi

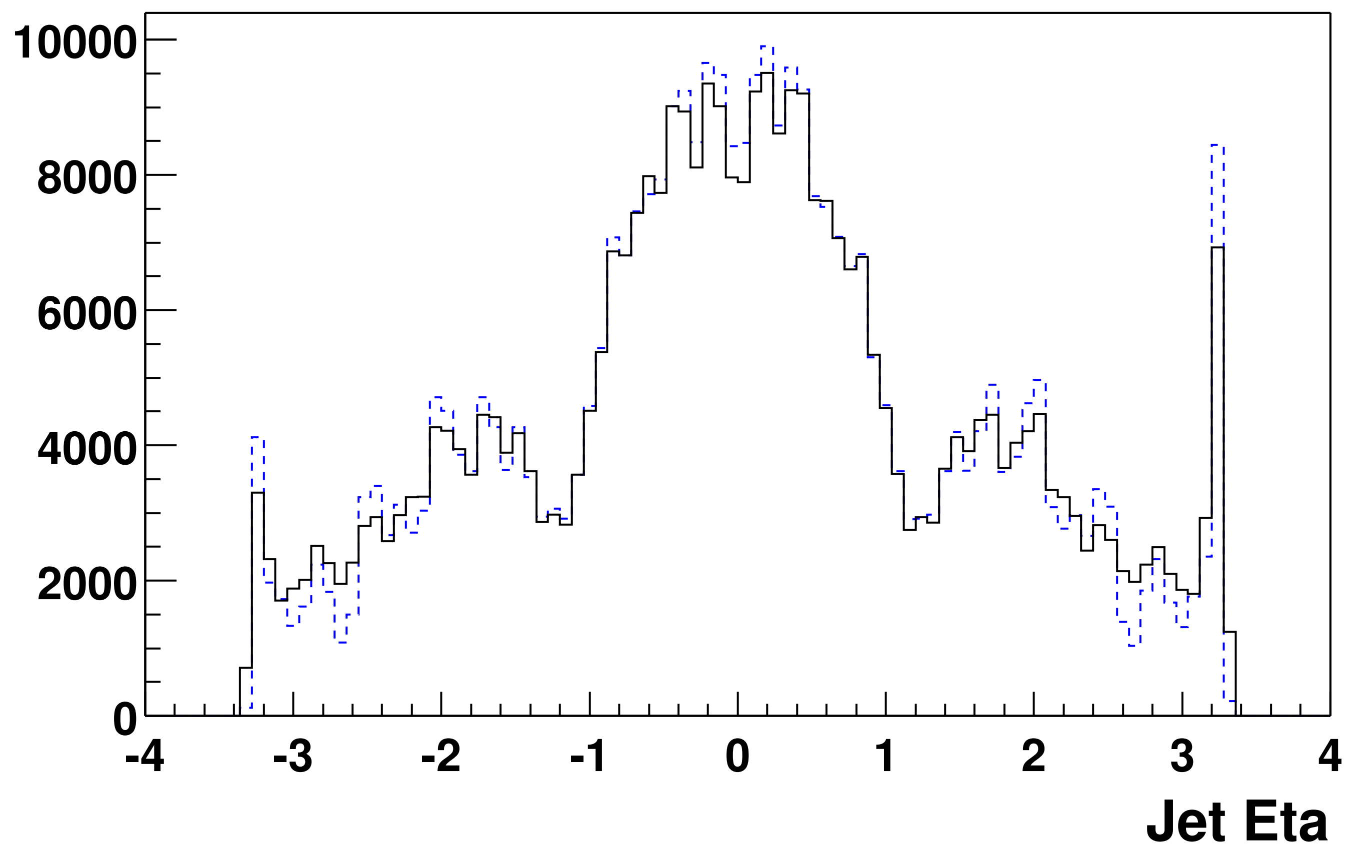


10^4
10^3
10^2
10
1
-10 -8 -6 -4 -2 0 2 4 6 8 10
Del Phi

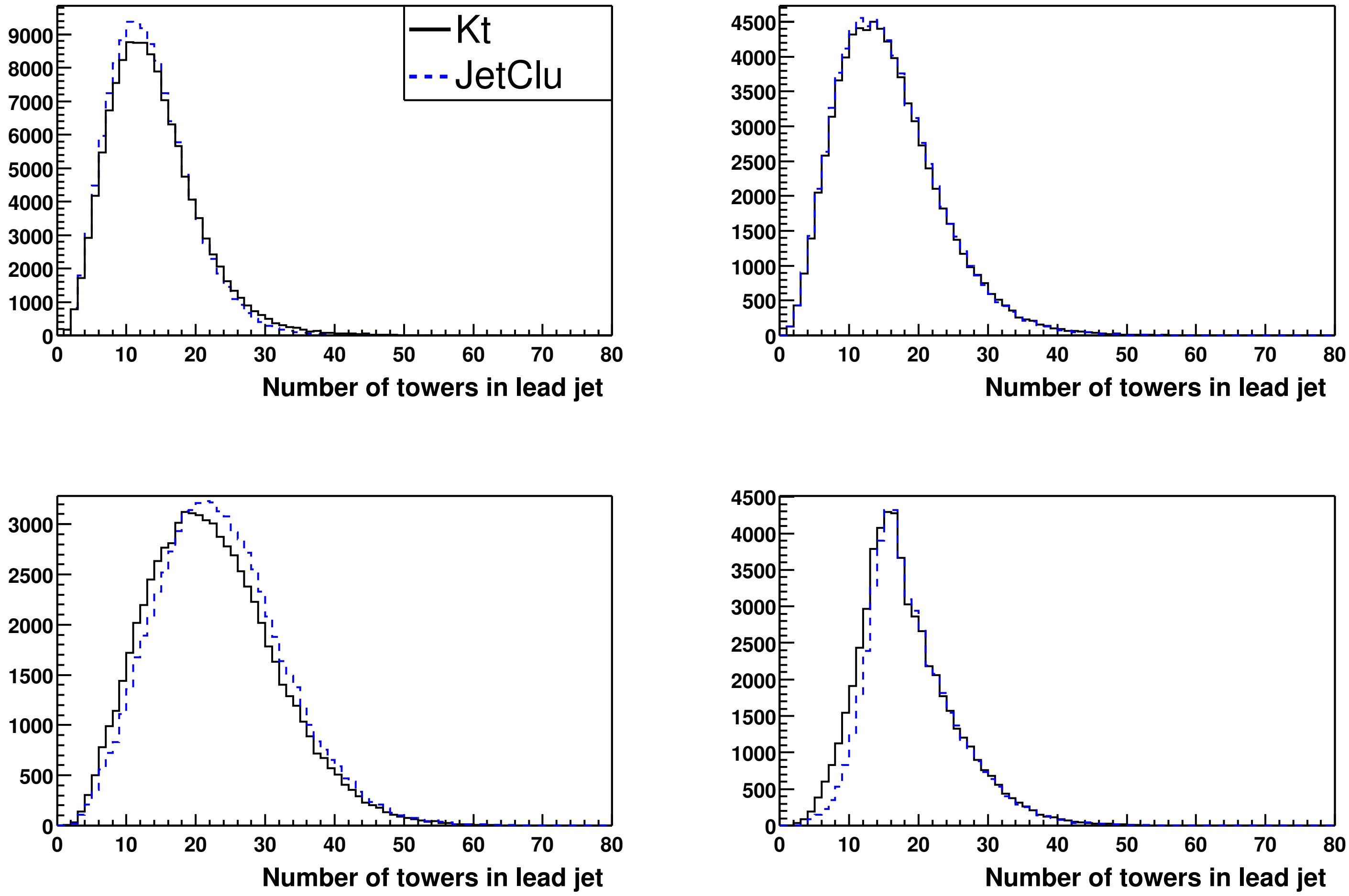


10^4
10^3
10^2
10
1
-10 -8 -6 -4 -2 0 2 4 6 8 10
Del Phi


Kt
JetClu
Jet Et
Jet Et
Jet Et
Jet Et



10000
8000
6000
4000
2000
0
-4
-3
-2
-1
0
1
2
3
4
Jet Eta


Kt
JetClu
Number of towers in lead jet
Number of towers in lead jet
Number of towers in lead jet
Number of towers in lead jet

The L1 trigger efficiency for events with jets having a different number of towers.

less than 15, greater than 15 and all...