

# SUSYView improvements

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# SUSYView improvements

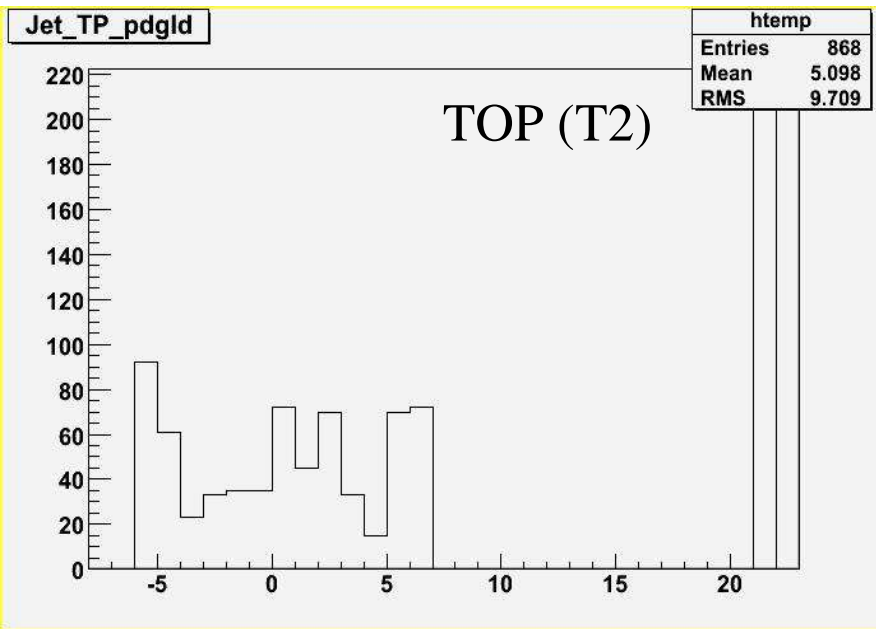
- Have been working on getting a new version of SUSYView out (aim)
  - Cleaner – all configuration done use 'configurables' not old style job options (all of these removed)
  - Easy 3 'LevelOfDetail' for each particle type
  - 11 and 12 series versions
  - Some additional physics stuff
    - Flavour of Jet
    - Tracks in cone around E1 candidate
    - inserting isolated tracks
    - Add trigger info

# LevelOfDetail

- An int python var for each type of particle:
  - LevelOfDetailEl = 0
  - LevelOfDetailMu = 0
  - LevelOfDetailPh = 0
  - LevelOfDetailTau = 0
  - LevelOfDetailJet = 0
- 0 = dump 4-vector + truth matched 4-vector
- 1 = dump reco AOD info (ie. EoverP)
- 2 = dump associated track / cluster info

# Jet Flavour

- Algorithm from Amir (finds highest Pt ( $>10\text{GeV}$ ) truth quark or gluon in  $0.7$  deltaR cone round jet) – Can we come up with a better algorithm?



0=NoMatch,

1=d,

2 =u,

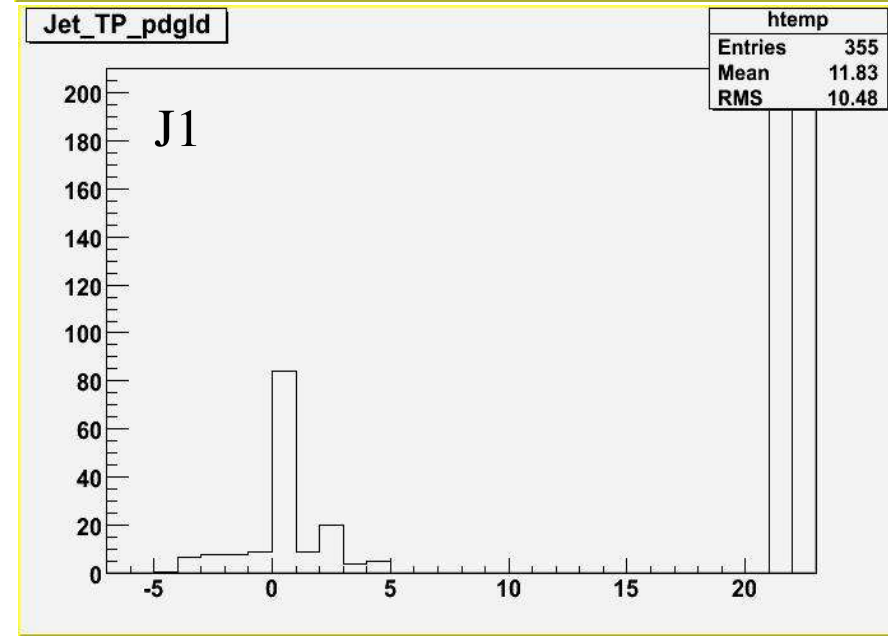
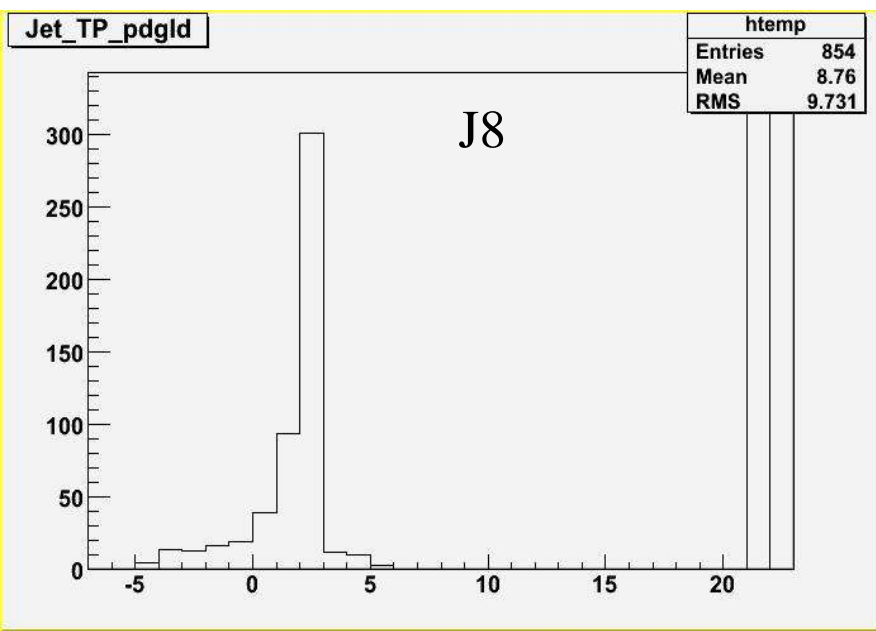
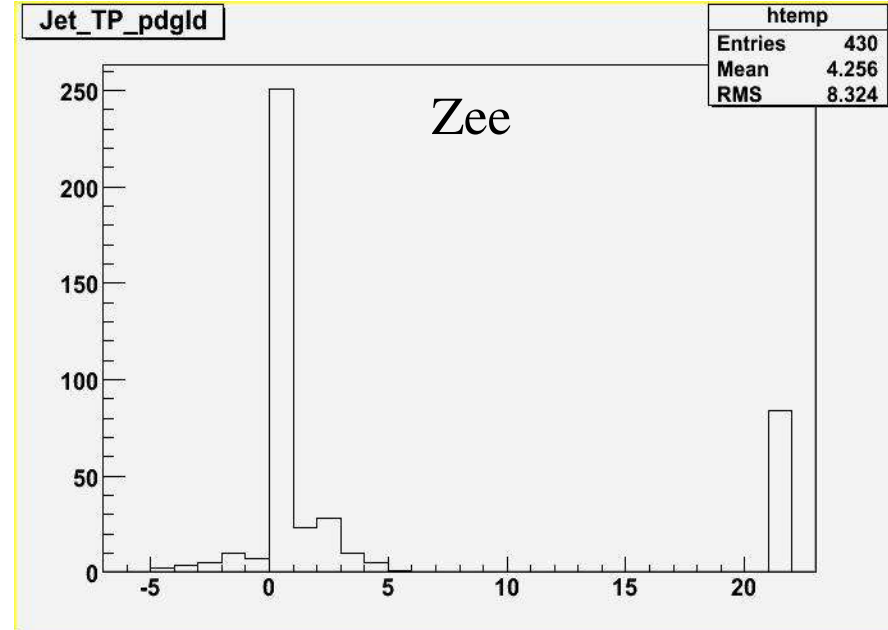
3=s,

4=c,

5=b,

6=t,

22=g



# Status

- Most of this is done
  - Havent got the isolated track insertion working yet
  - Trigger decision off by default as most data does not contain the trigger decision
- Would be good if people could test (ie. run the 11.0.5 version and compare some distributions with the old 11.0.5 ntuples)
- Some strange errors / warnings in the 12 series branch – need to be investigated
- Not much 12 data to use for testing

# HighPtView

- There is talk of producing a common ntuple for all high Pt physics (for CSC)
- There is a wiki here:  
<https://twiki.cern.ch/twiki/bin/view/Atlas/HighPtView>
- And a mtg this afternoon  
<http://indico.cern.ch/conferenceDisplay.py?confId=8687>
- My feeling is this is ok – but we wanna keep SUSYView for our own private production where we can put what we want in the ntuple