

• All info in the MIT Log book

• http://www.cmsaf.mit.edu/twiki/bin/view/CmsHi/JR0909

• Sample:892 events ZmumuJet

• rfio:/castor/cern.ch/cms/store/mc/Summer09/ZmumuJet_Pt170to230/GEN-SIM-RAW/MC_31X_V3-v1/0000/FEBE177C-D37D-DE11-B53C-00144F203518.root

Details

- With HI reconstruction : get muon objects
- Form reco::Muon can obtain StandAlone Muon, Global available and the tracker part of the Global.
- The point of the code is to always aim to get the Globa +Global Muon pair, if not possible the Global + Stand alone, and as as last resort StandAlone + StandAlone.
 - Using the fact that Z0 will decay into two high pT muon we can get away with 'ignoring' tracker muons(Note:Tracker muons != tracker part of Global Muons)







Future

- Re-do reconstruction with correct Global tags
 - Will be done tomorrow.
 - Maybe even some efficiencies.
- Maybe reach into a tracker muons if available, with specific cuts.
- Embed in HI events, very time consumming, currnetly doing
- For completeness will also run over the signal only samples