

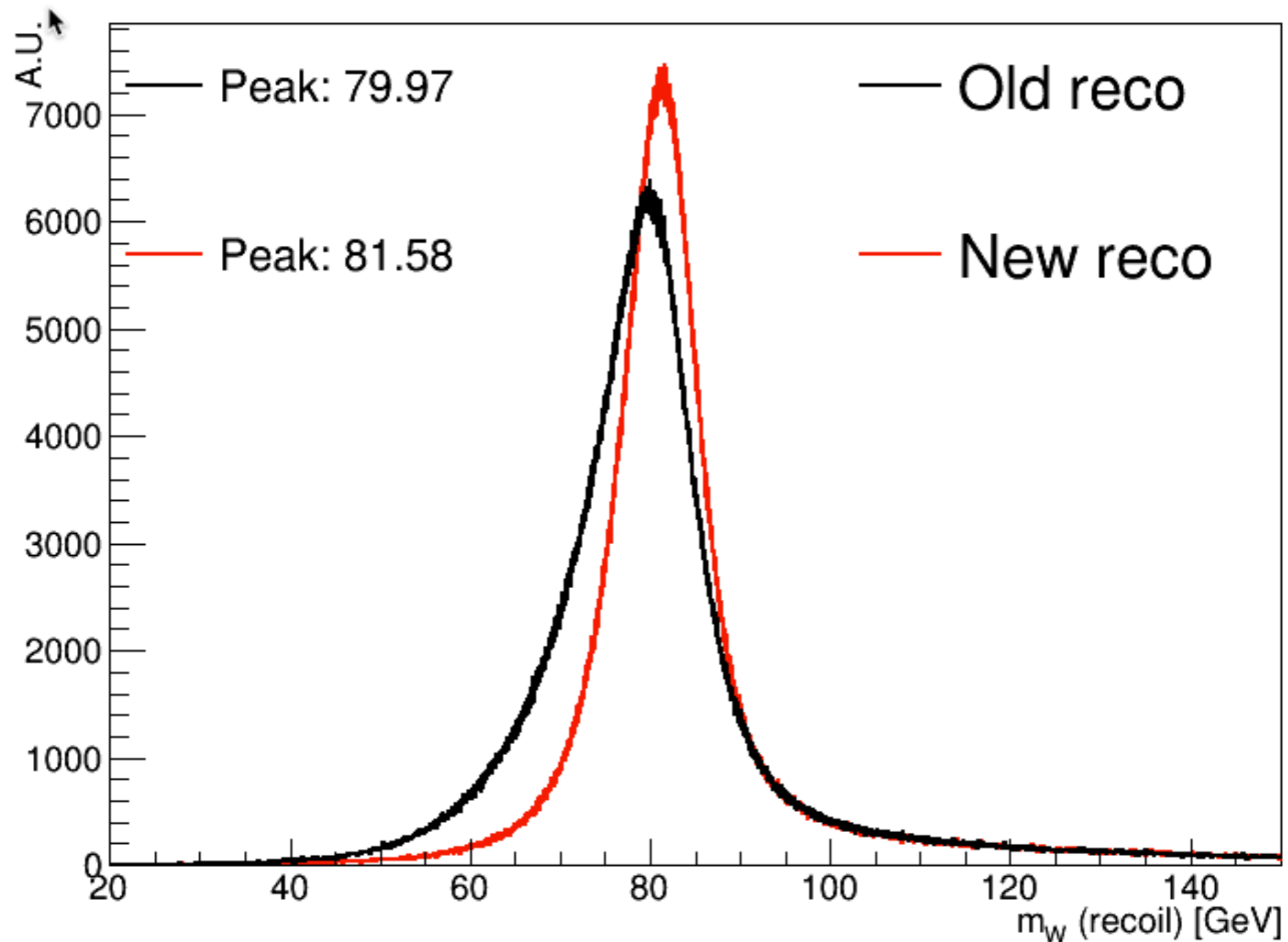
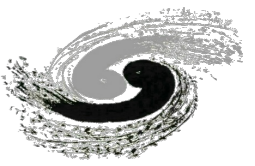
# Status Report

Bo Liu



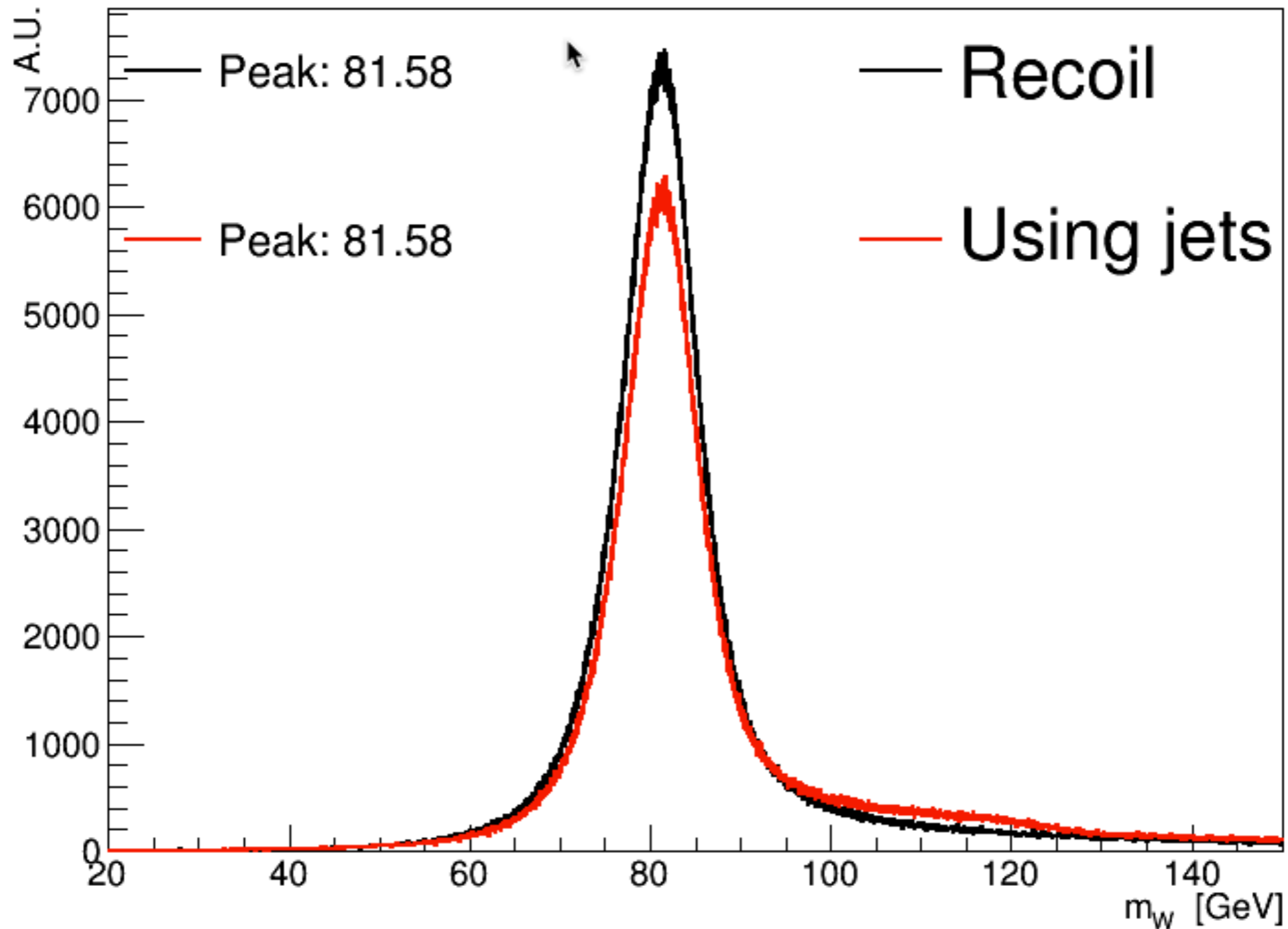
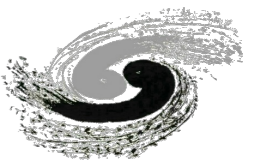
中国科学院高能物理研究所  
Institute of High Energy Physics Chinese Academy of Sciences

# New Reco samples for WW



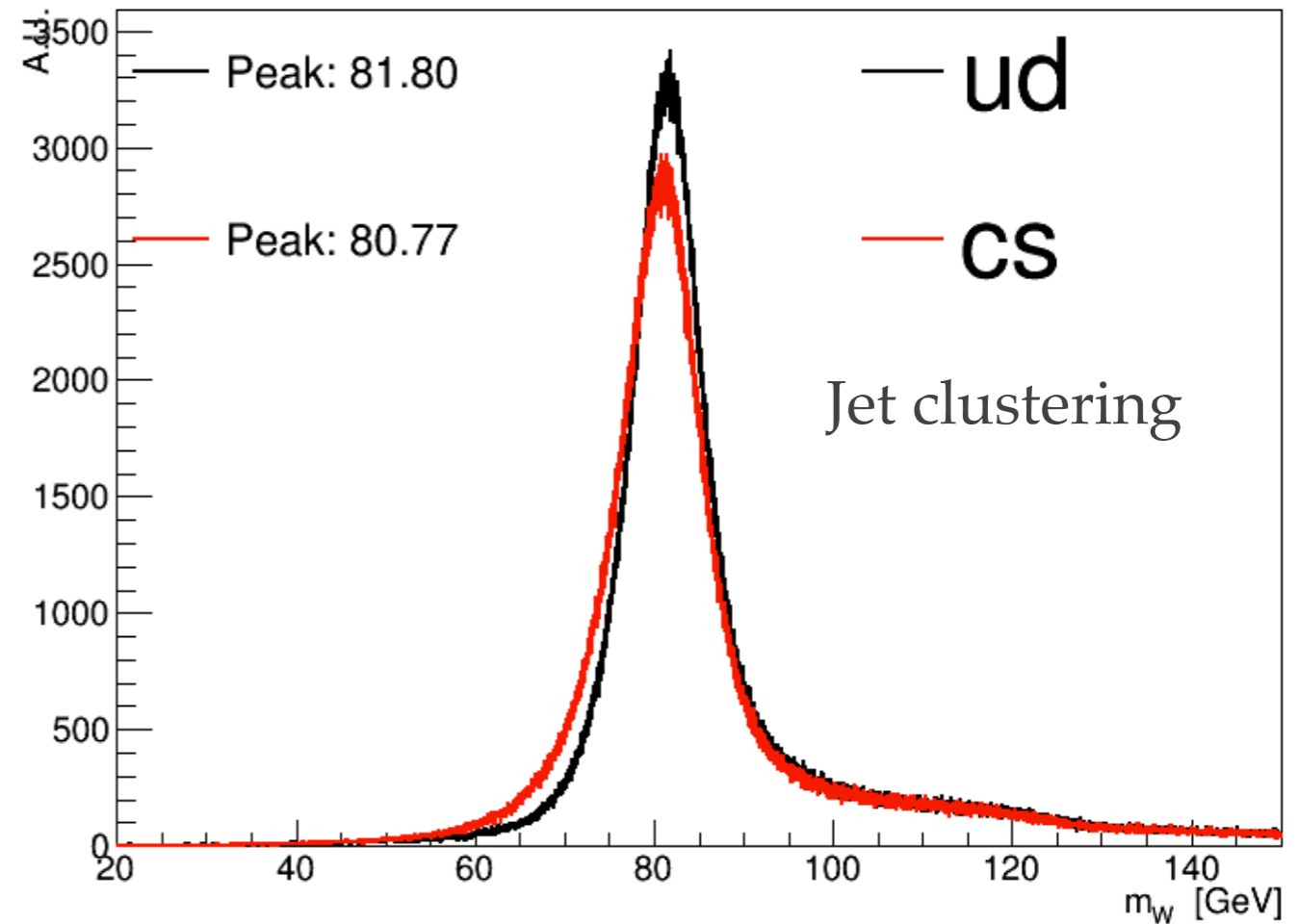
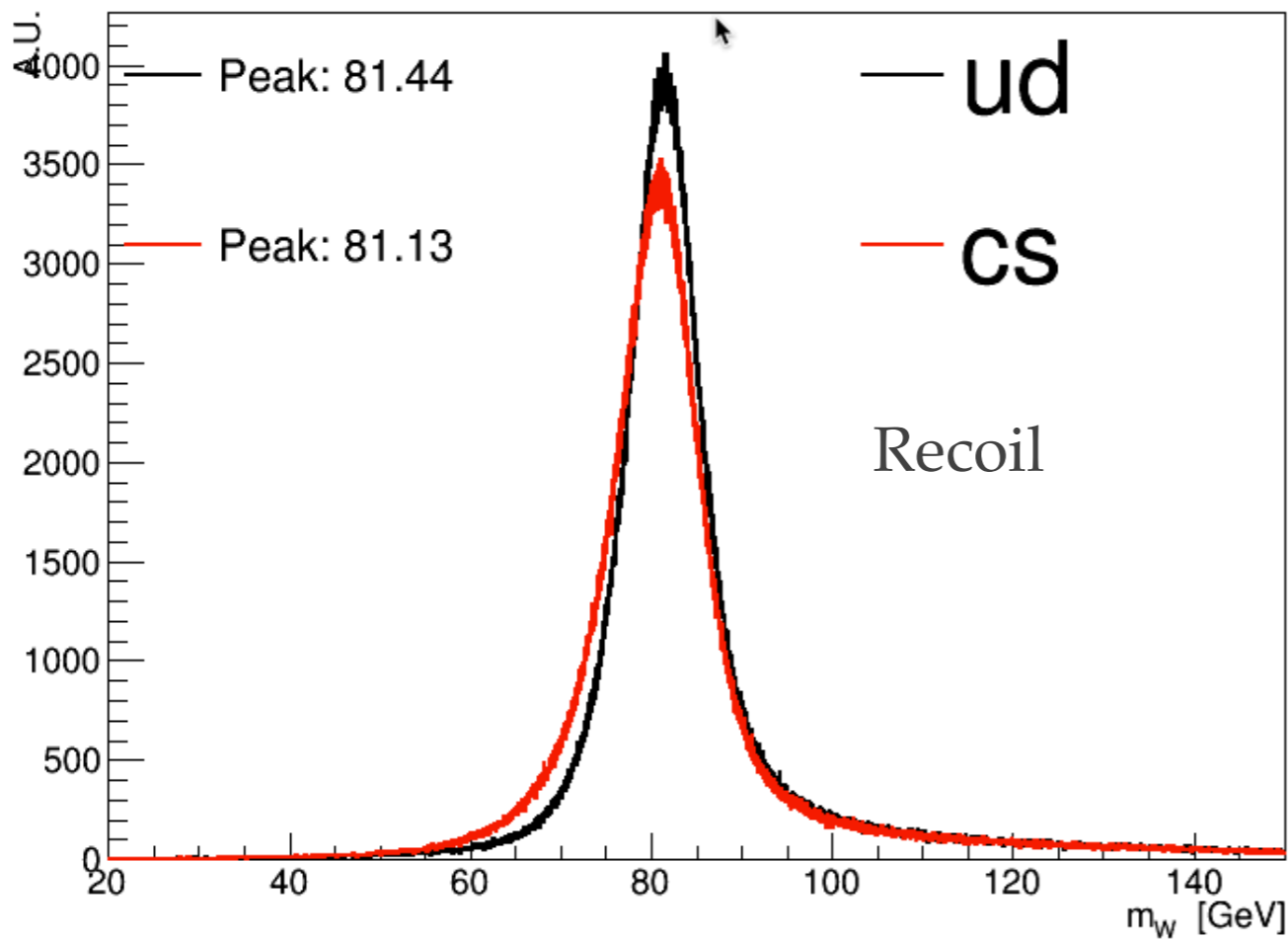
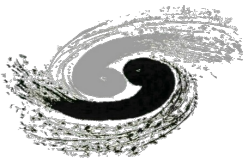
- ❖ New Arbor release from Dan
- ❖ Using deco xml from Dan as well
- ❖ Better resolution wrt. old sample
- ❖ Small peak shift wrt old sample

# Run Jet clustering for WW sample



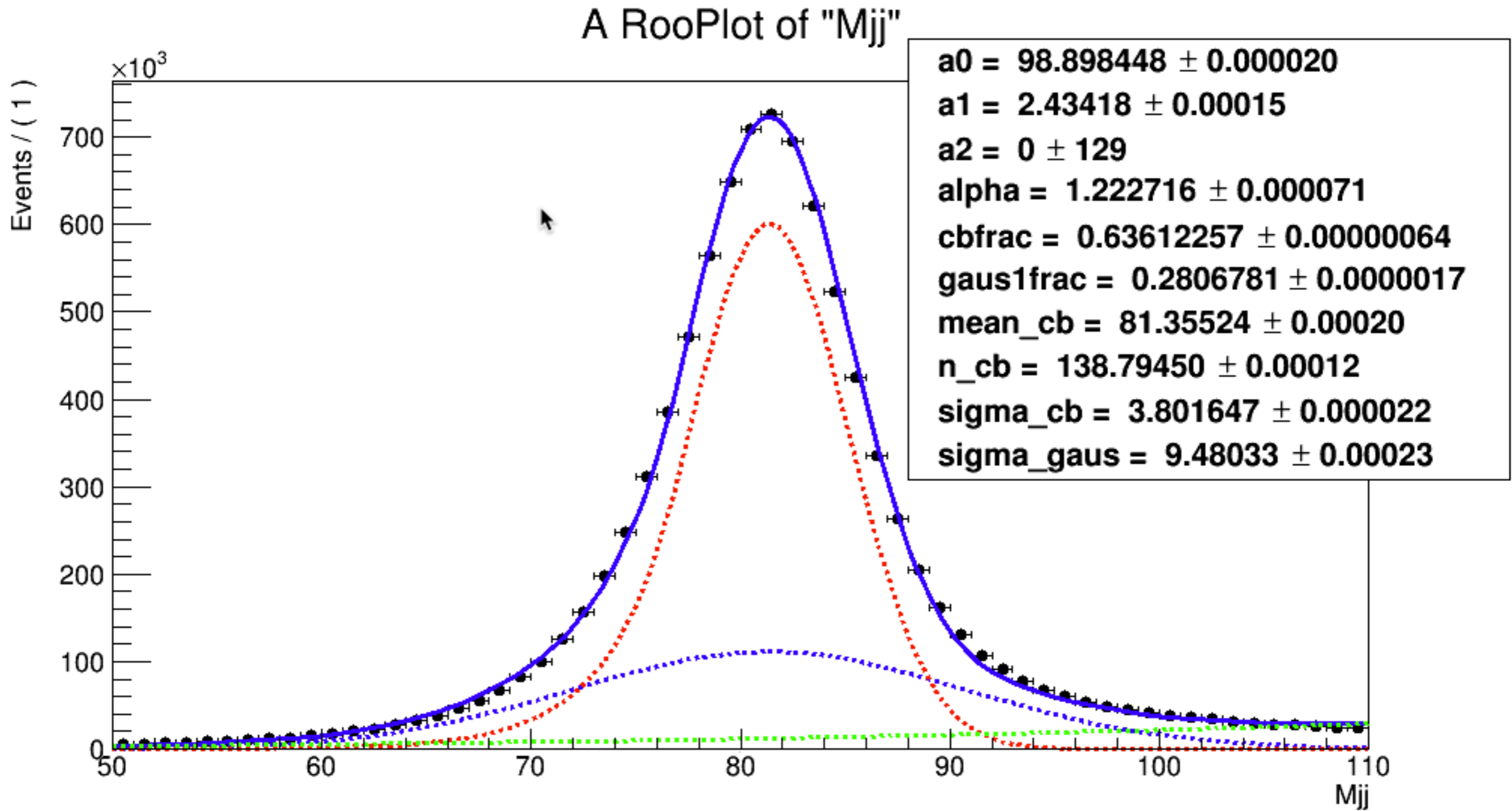
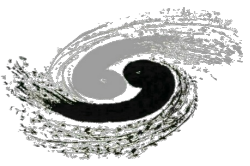
- ❖ using ee\_kt algorithm
- ❖ Apply isolation lepton veto before running jet clustering
- ❖ Same Peak, good for calibration.

# $W \rightarrow ud$ vs $W \rightarrow cs$

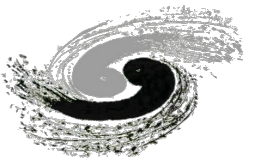


Applying ctagging in reco level? Implementing

# Model signal



CB+Gaussian+3-order Polynomial



- ❖ Sample:
  - WW->munuqq reco sample are ready.
  - ZZ->mumuqq and ZZ->nunuqq reco sample are ready
  - Z->qq sample are running (60% ready)
  - Higgs sample to be submitted
- ❖ Working with Chicago student for Jet / cluster calibration