More on muon widths

Leon R.

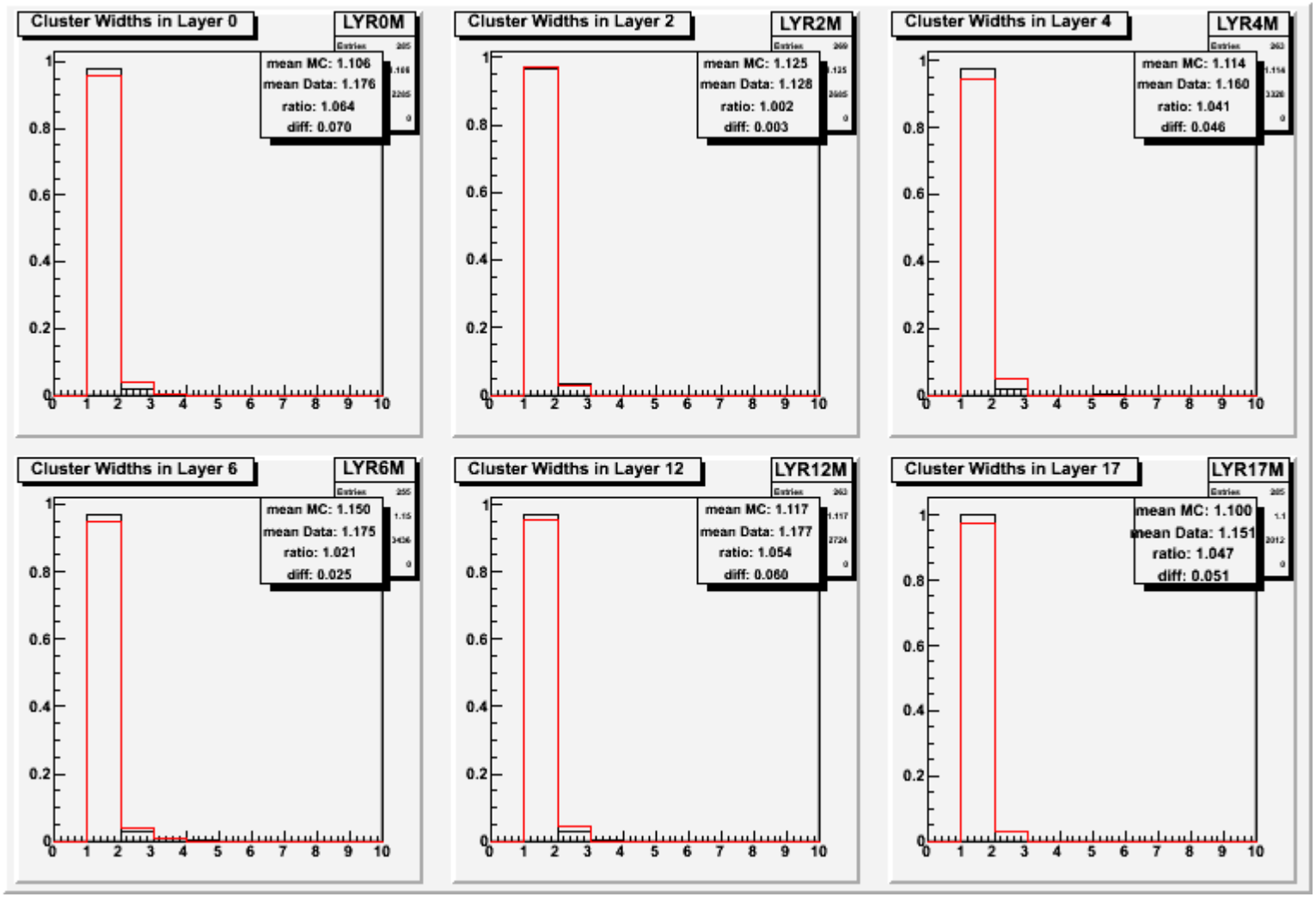
Beamtest Vrvs Meeting

25-Oct-2006

Look at surface_muons MC

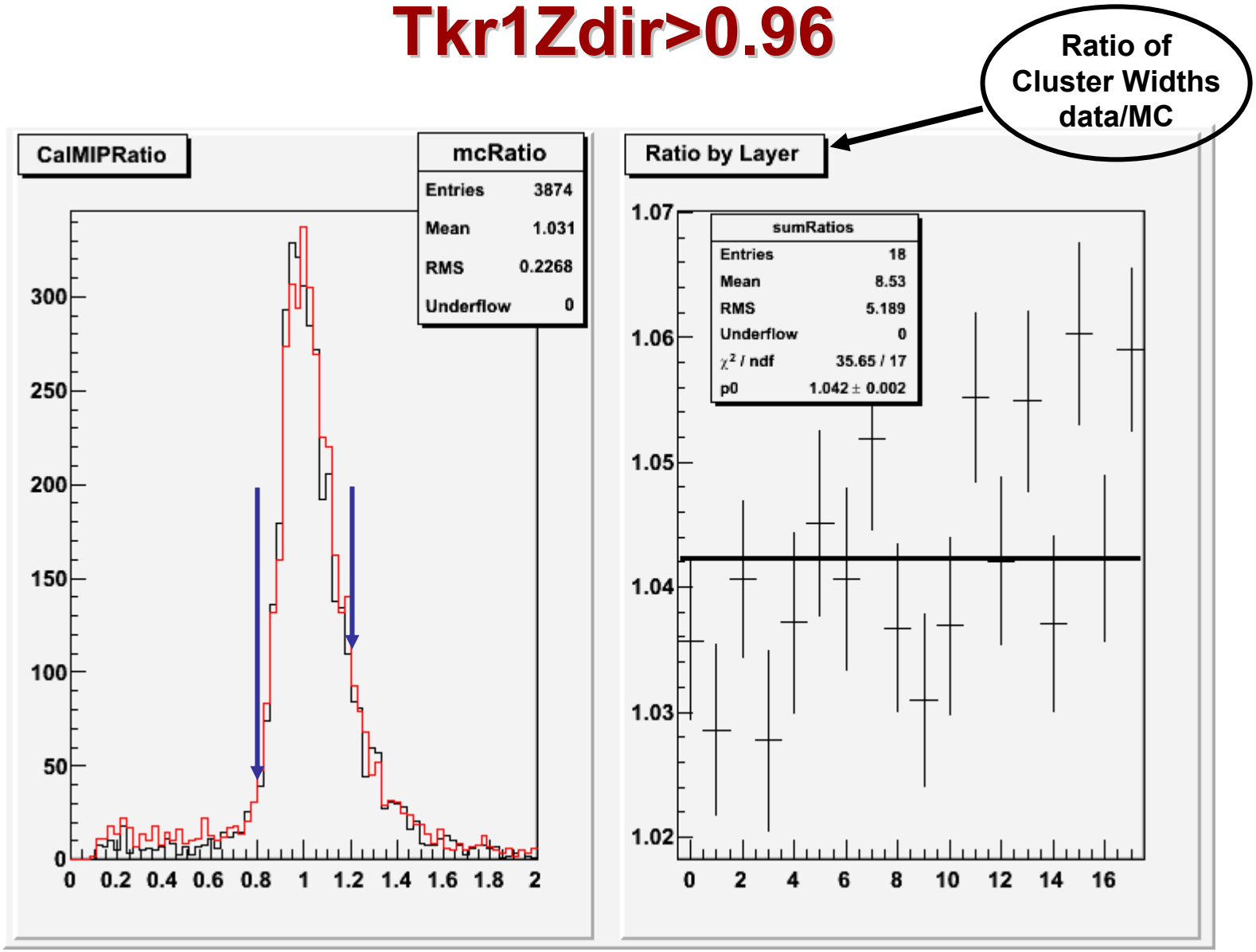
- Data: I&T LAT run 077002503
- MC: version v6r070329p16
- Cuts
  - TkrNumTracks=1
  - Tkr1KalEne>500
  - CalCsIRLn>4
  - Tkr1FirstLayer=17 and Tkr1LastLayer=0
  - abs(Tkr1CalMIPRatio -1) < 0.2

Sample Cluster Width Plots



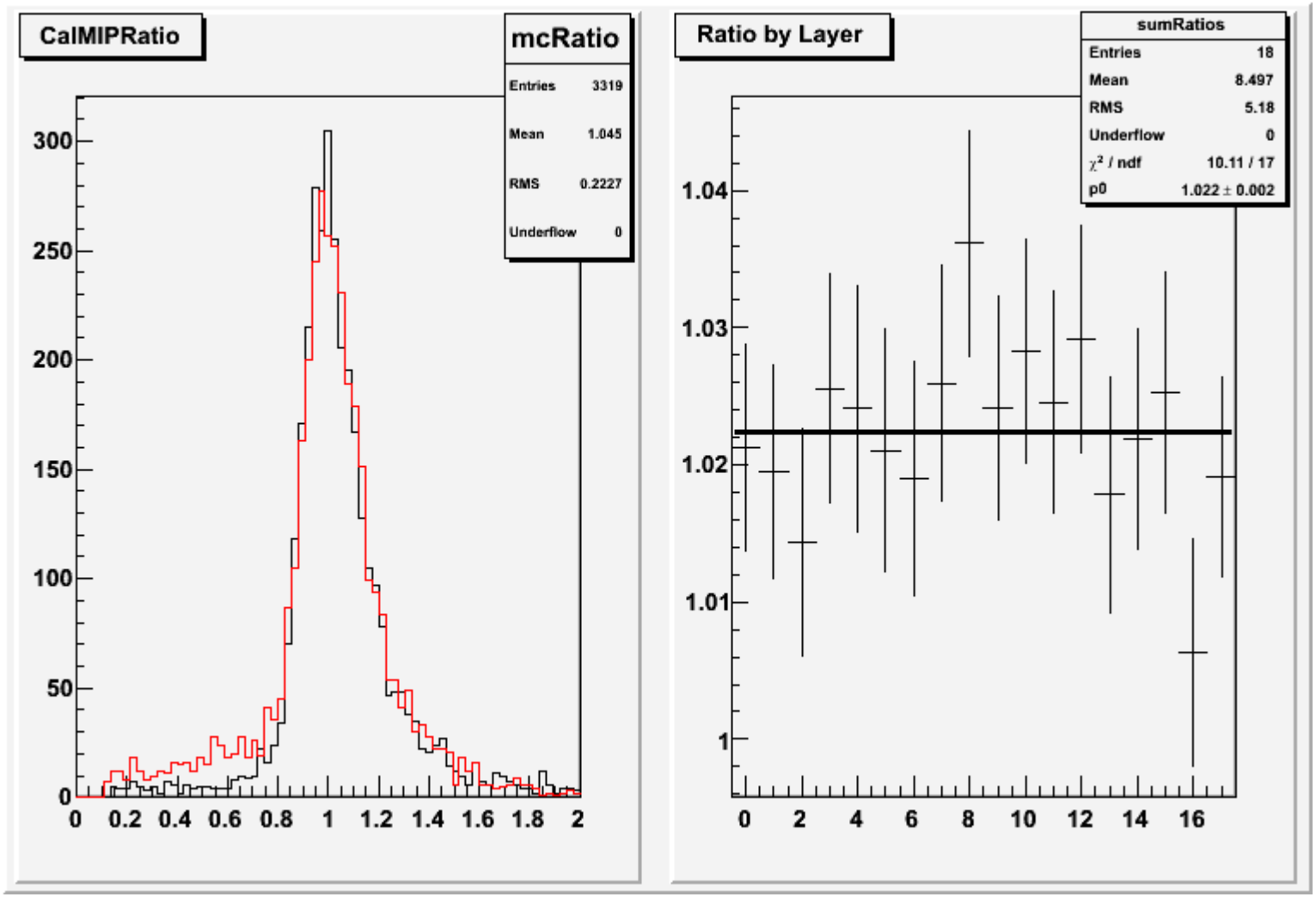
Tkr1ZDir>0.96

Tkr1Zdir>0.96



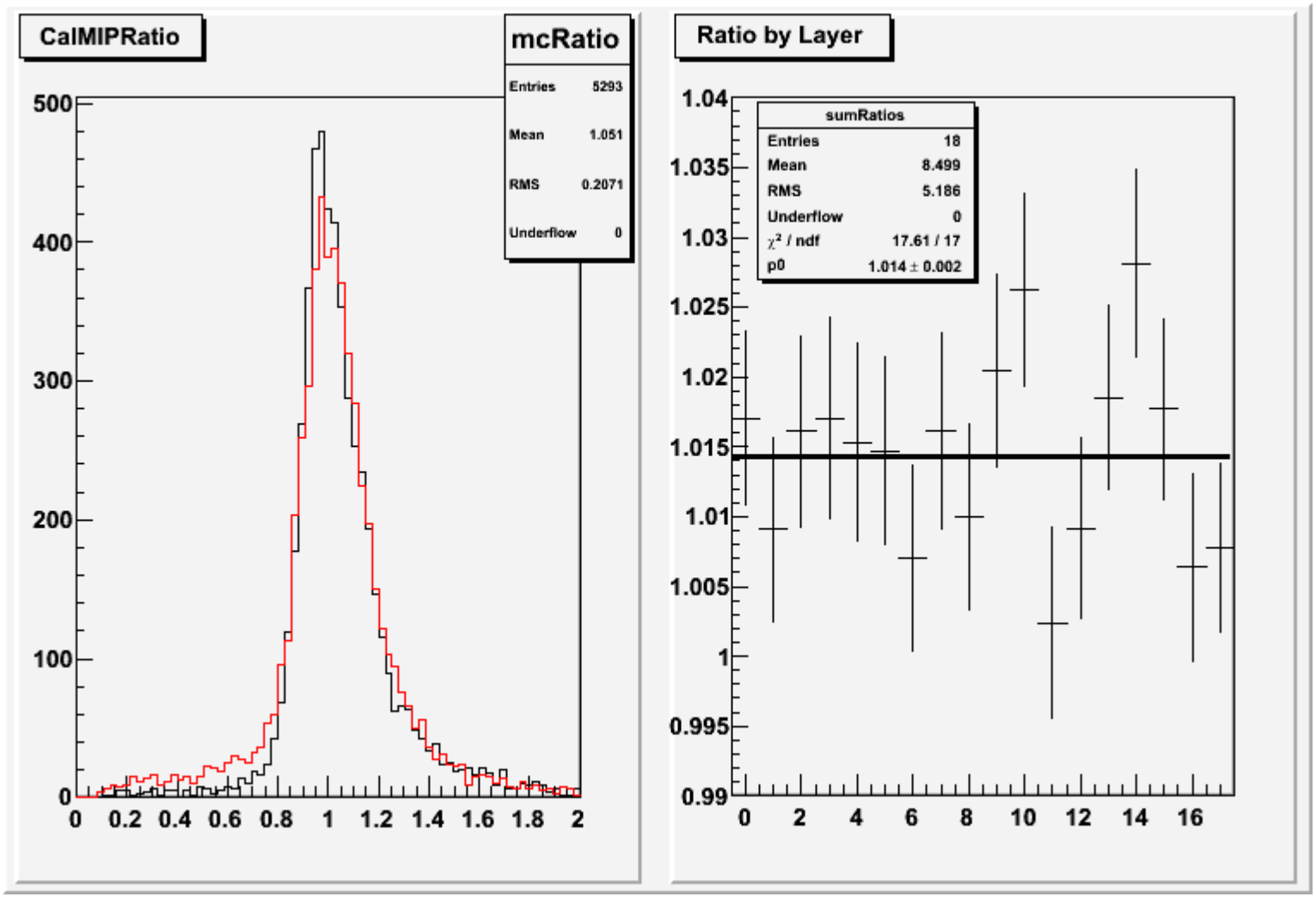
MC black, data Red

0.96>Tkr1Zdir>0.91



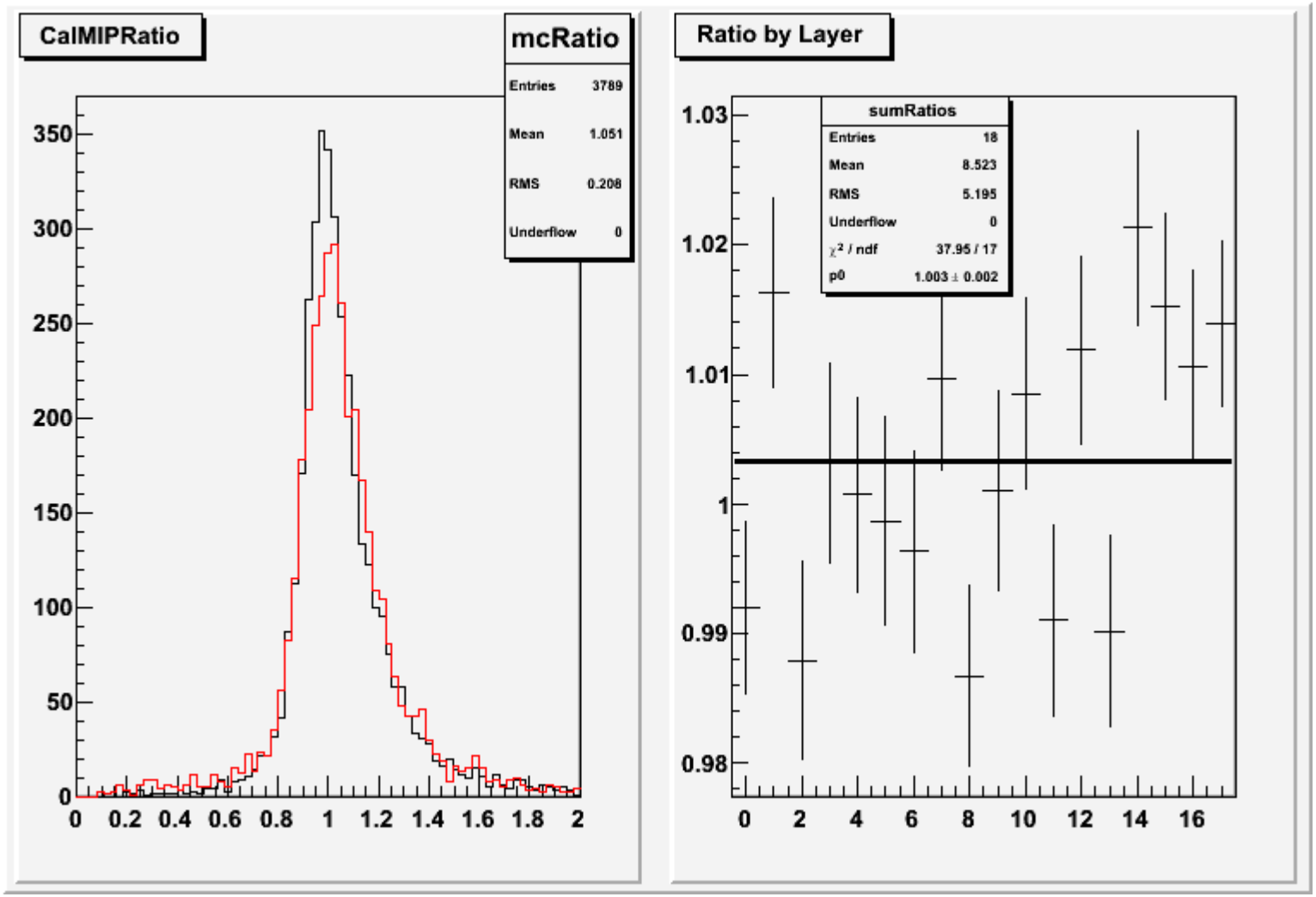
MC black, data Red

0.91>Tkr1Zdir>0.80



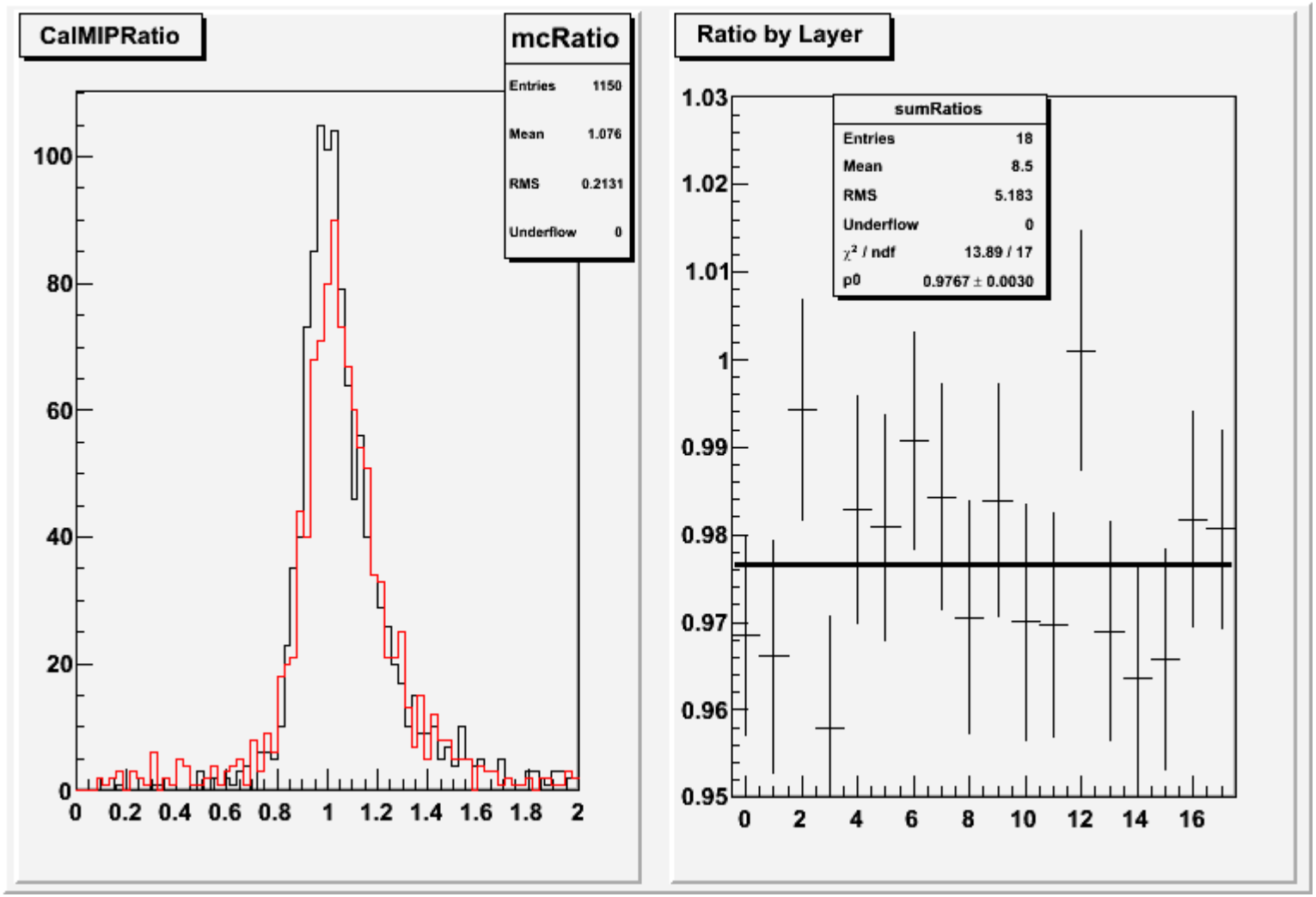
MC black, data Red

0.80>Tkr1Zdir>0.64



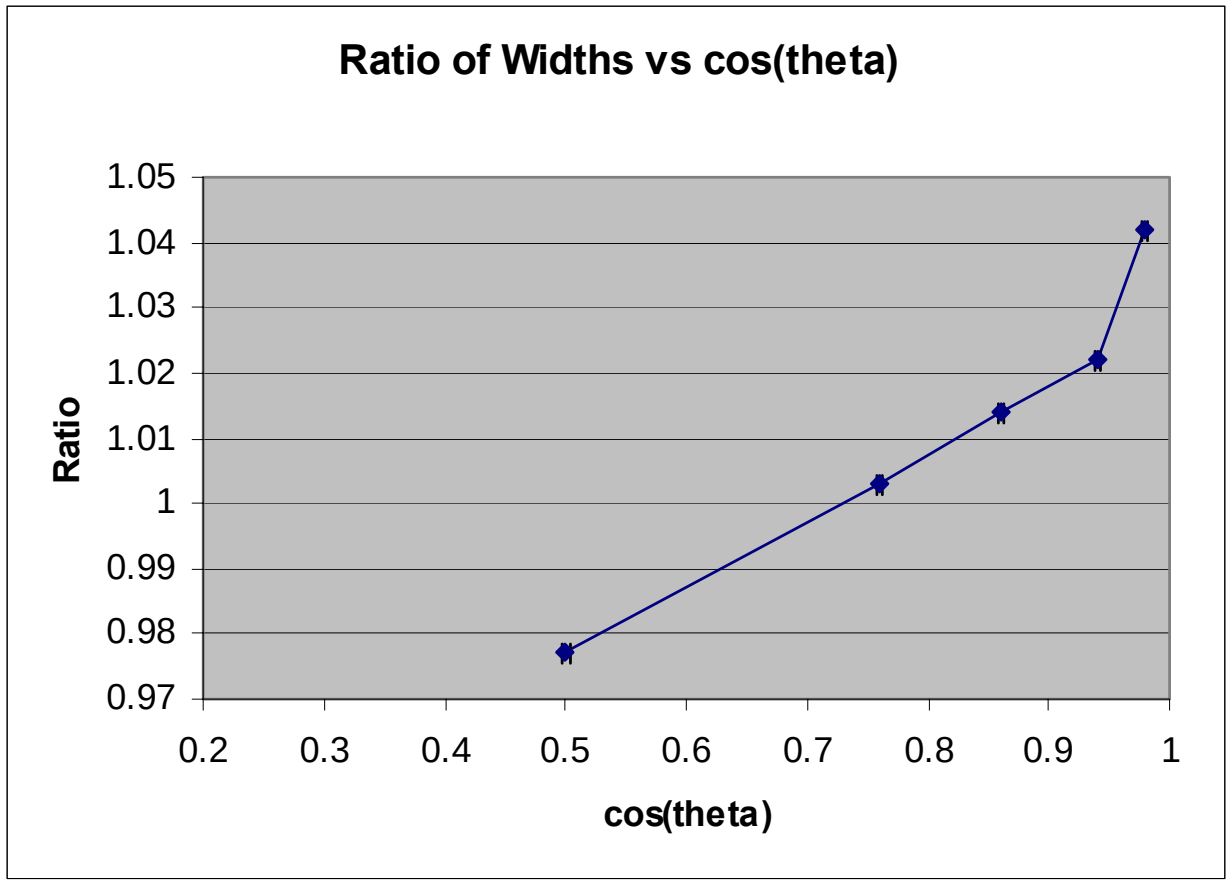
MC black, data Red

0.64>Tkr1Zdir>0.20

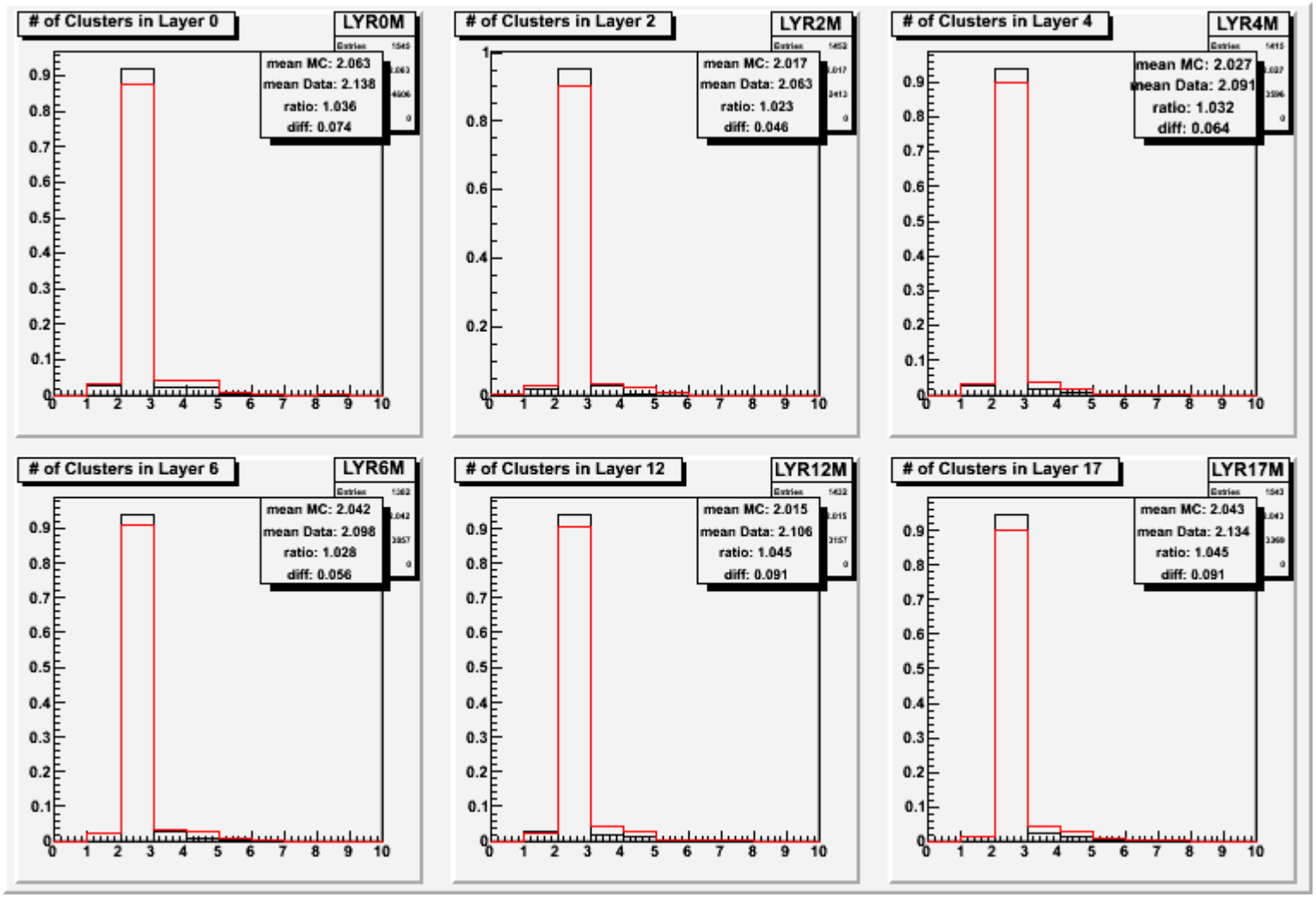


MC black, data Red

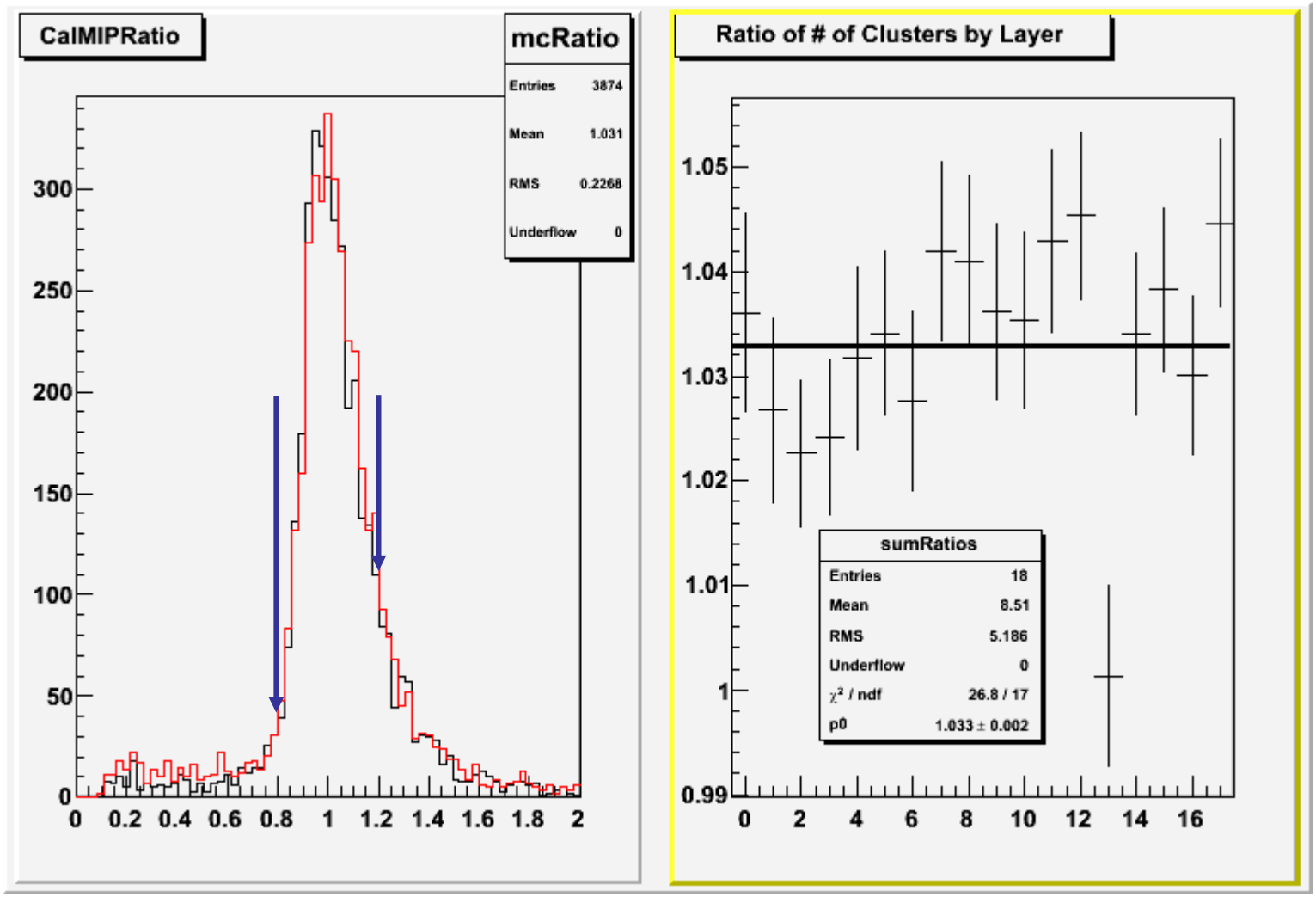
Ratio of Cluster Widths vs cos(θ)



Sample # Clusters Plots

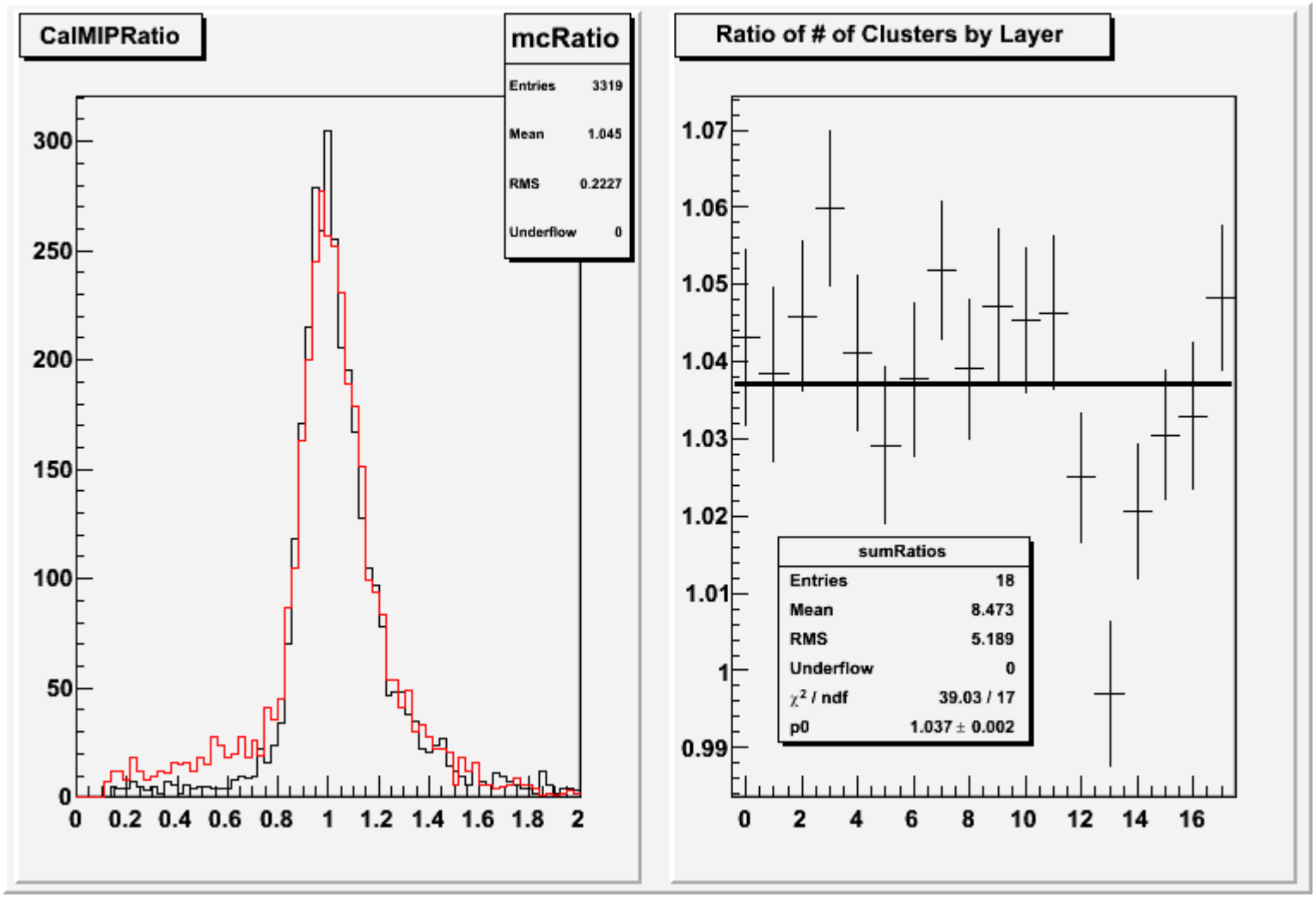


Tkr1Zdir>0.96



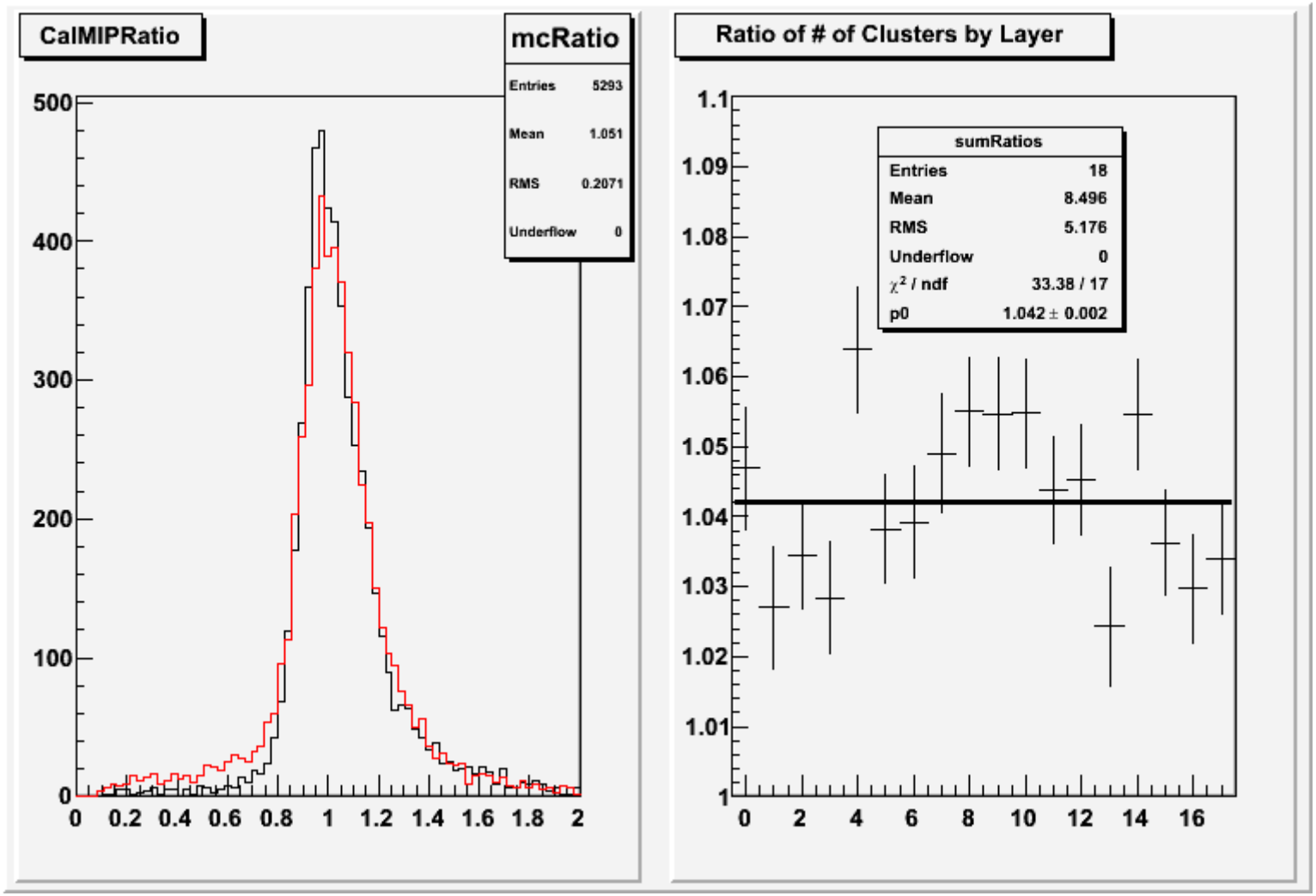
MC black, data Red

0.96>Tkr1Zdir>0.91



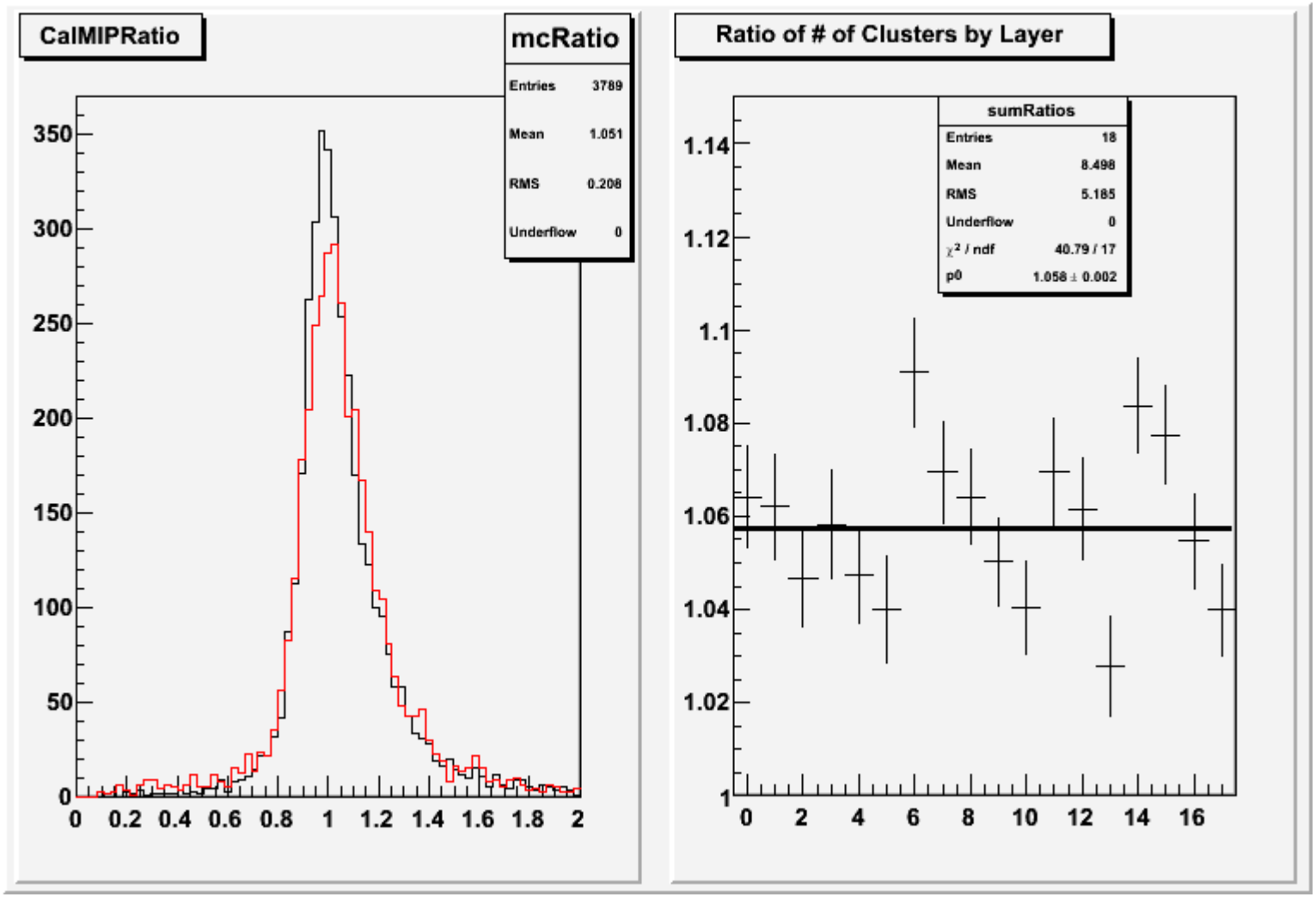
MC black, data Red

0.91>Tkr1Zdir>0.80



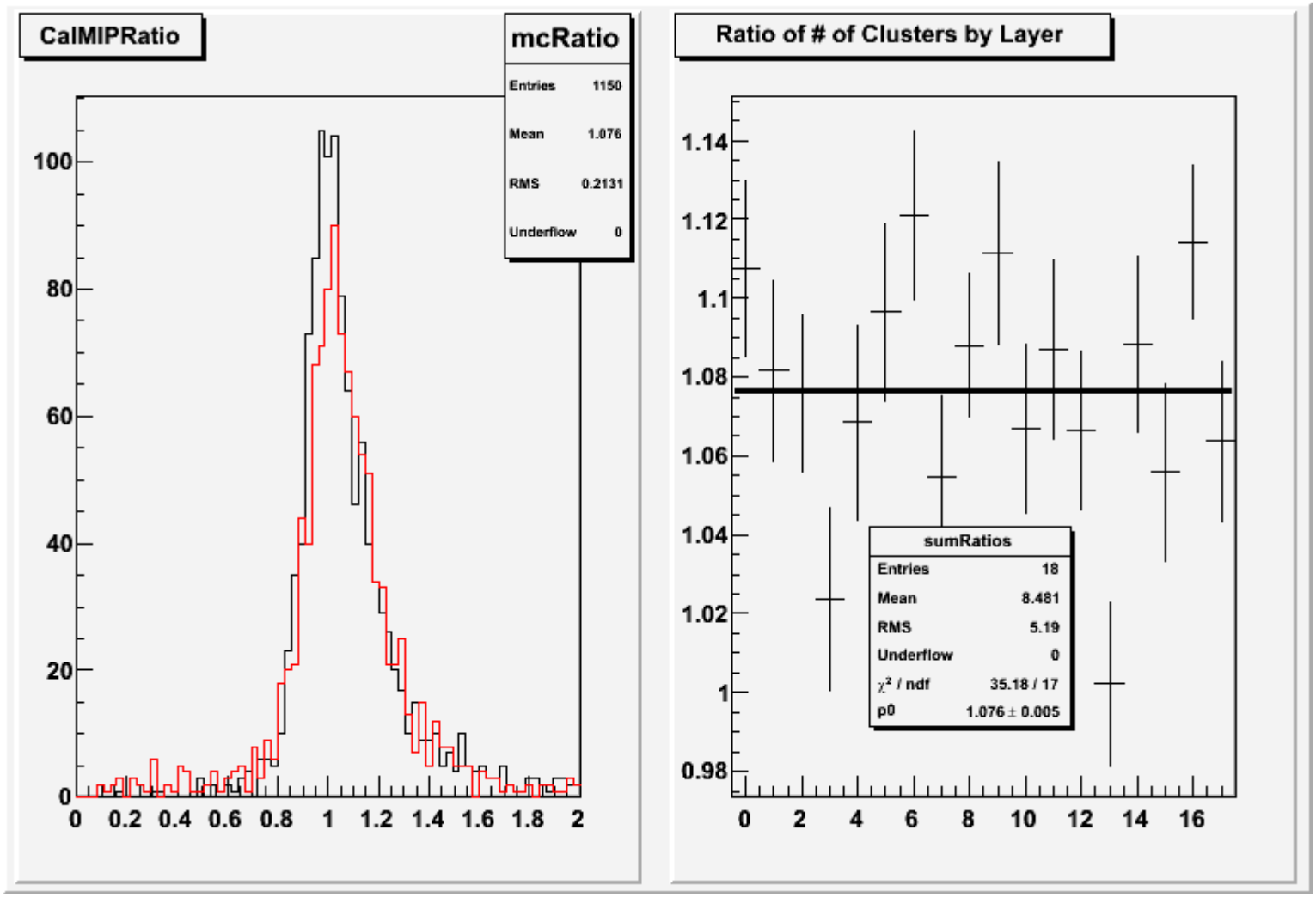
MC black, data Red

0.80>Tkr1Zdir>0.64



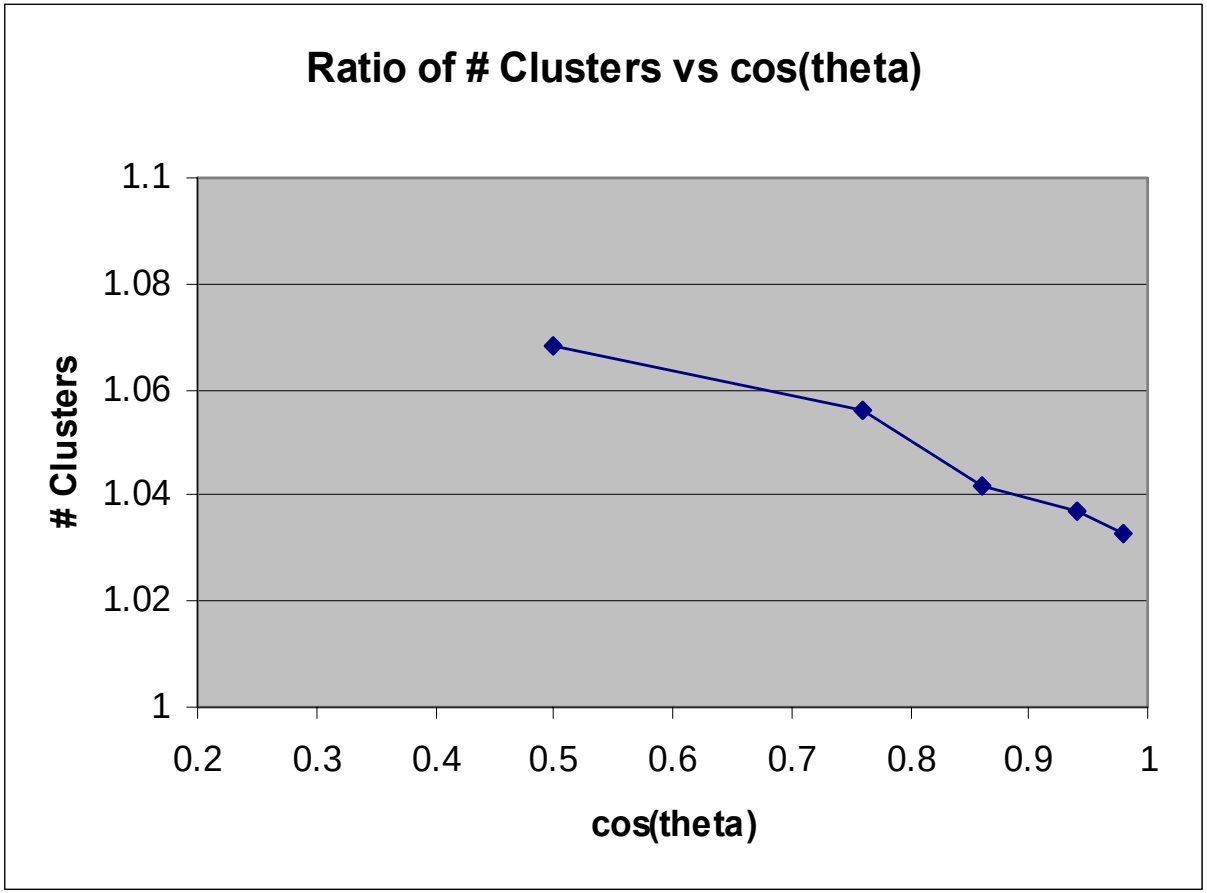
MC black, data Red

0.64>Tkr1Zdir>0.20

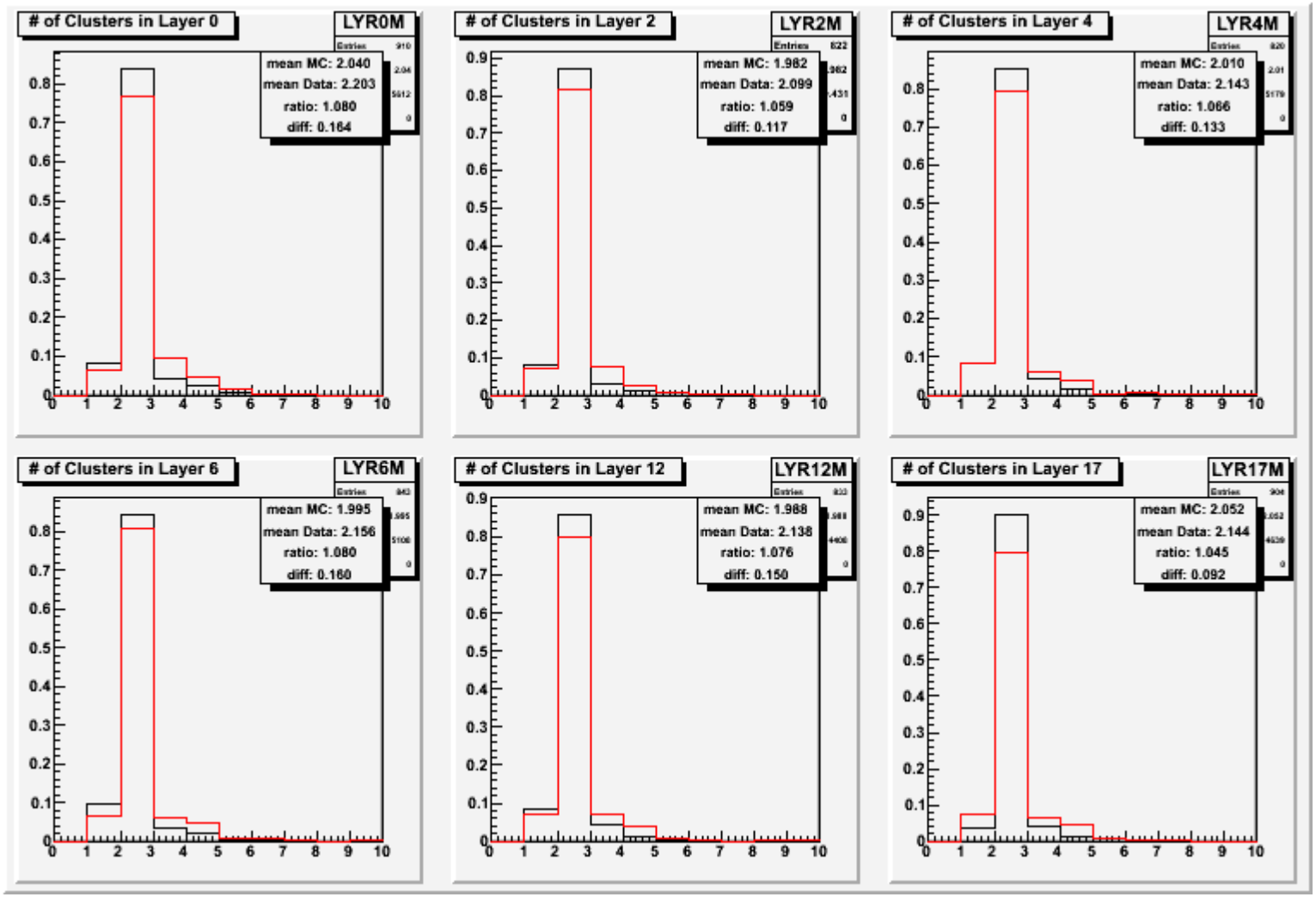


MC black, data Red

Ratio of # Clusters vs cos(θ)



Clusters at large angle



Ratio of # Strips vs cos(θ)