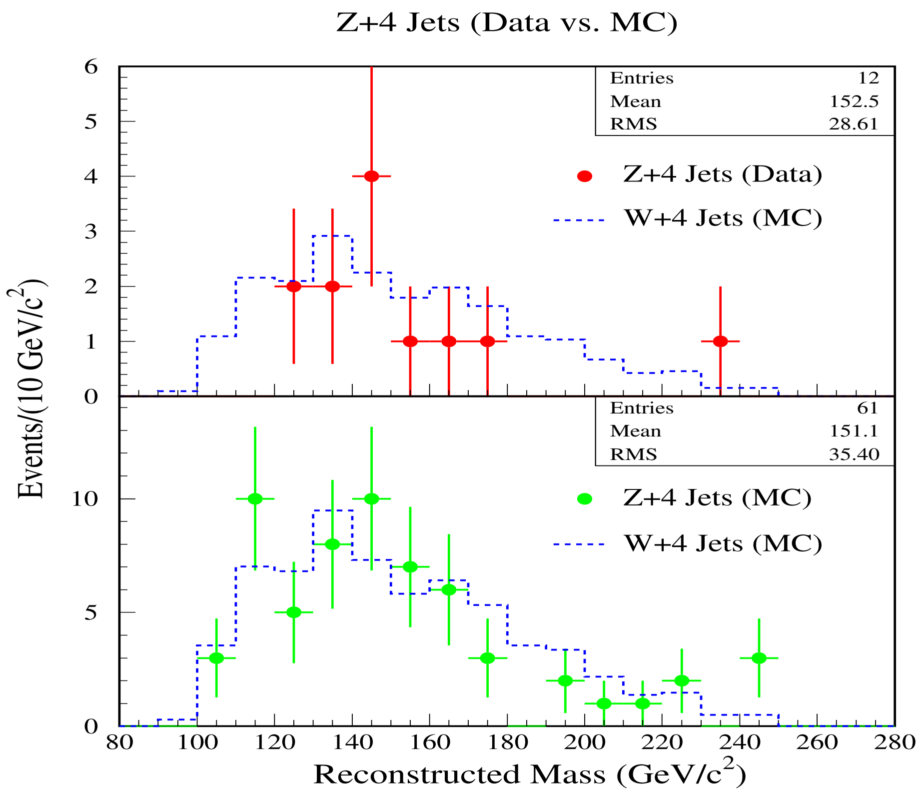
Systematics

Systematic	Value	
• Absolute Jet E_T Scale	3.1 GeV	1.8 %
• Relative Energy Scale	0.1	<0.1
• Absolute Energy Scale (Gluon Effects)	7.7	4.4
• Fit Configuration	2.5	1.4
• Signal Shift due to SLT tag	2.1	1.2
• Signal Shift due to SVX tag	1.1	0.6
• Background Shifts due to SLT mistag	0.1	<0.1
• Background Shifts due to SVX mistag	0.1	<0.1
• Different Background Shapes	1.6	0.9
• Different Likelihood fits	1.6	0.9
• Different way to fit points	1.2	0.7
• Monte Carlo Statistics	3.1	1.8
Total	9.8 GeV	5.6%

Non-W Backgrounds

- Perform Mass Fitting Technique on samples in Data and Monte Carlo:
  - Z+4 Jets
  - Non-isolated Lepton+4 Jets
  - Non-central Lepton+4 Jet
  - All Distributions consistent with predicted shape of QCD W+Multijets

Z+Jets



Z+4 Jets (Data vs. MC)
Entries 12
Mean 152.5
RMS 28.61
Z+4 Jets (Data)
W+4 Jets (MC)
Entries 61
Mean 151.1
RMS 35.40
Z+4 Jets (MC)
W+4 Jets (MC)
Events/(10 GeV/c^2)
Reconstructed Mass (GeV/c^2)