

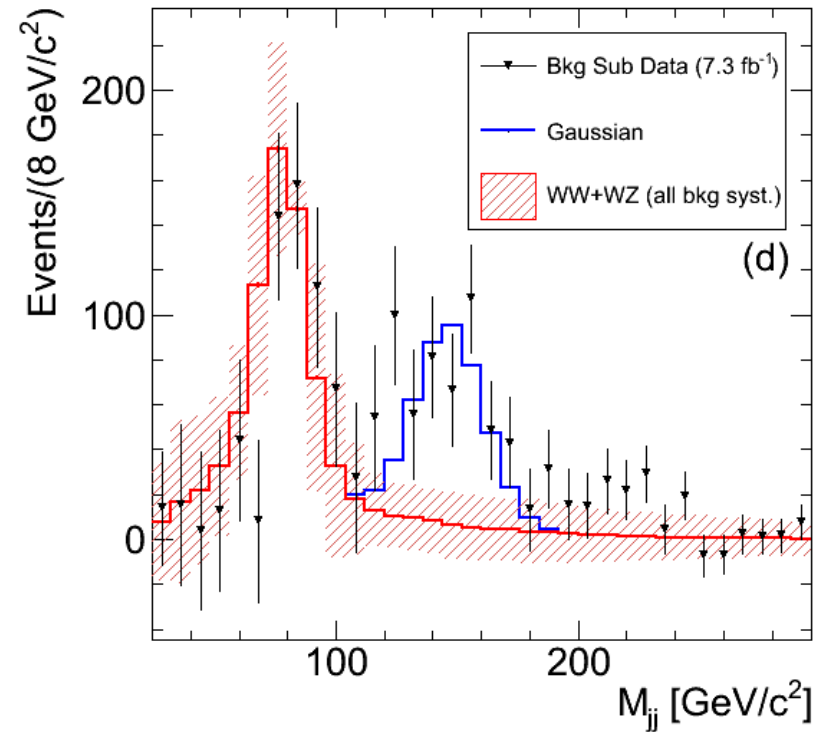
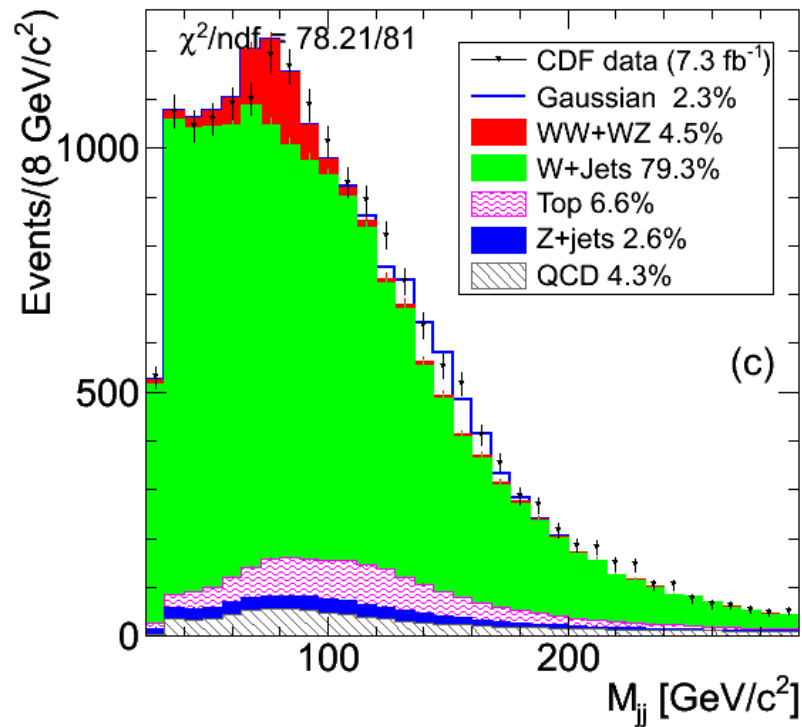
Comments on CDF Dijet Mass Anomaly

- 1. Original observation**
- 2. Latest results**

Original Observation

■ Selected in 7.3 fb^{-1} of data

- Lepton + Missing E_t
- 2 or more jets



PRL 107, 051802 (2011)

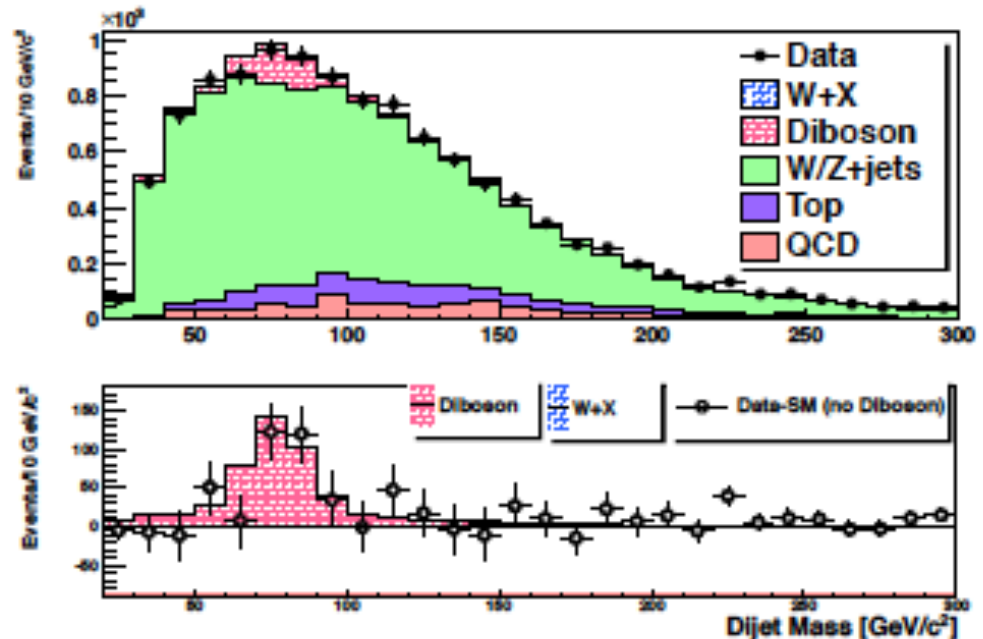
Full Data Set Observation

■ Selected 8.9 fb^{-1} of data

- Lepton + Missing E_t
- 2 or more jets
- Make additional corrections for gluon-quark jet energy scale
 - > +1.4% for quarks
 - > -7.9% for gluons

■ Anomaly goes away

- Set a 95% CL limit of 0.9 pb for a 140 GeV object



1402.7044

Difference Between e/ μ Samples

■ Most of the effect is with the electron sample

- Has a much larger multijet background
- Were they fooled?

