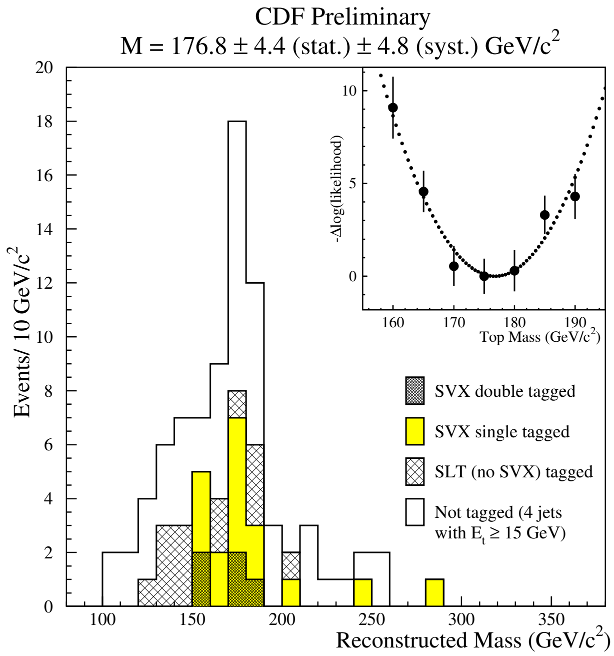
Top Mass Measurement



- Current Measurements:
  - DØ Mass: 173.3 ± 5.6 (stat) $\pm$ 6.2 sys
  - CDF Mass: 176.8 ± 4.4 (stat) $\pm$ 4.8 sys
- The top mass is a parameter of the Standard Model which plays an important role in the calculation of EWK observables. An accurate measure of $\mathrm{M_t}$ along with an accurate measure of M_W can limit the Higgs mass.
- Best Measurements use Lepton + 4 Jet final States. (I will only consider this case)
- Mass Measurements have been performed with the dilepton and all hadronic final states.

How does the measurement of $\mathrm{M_t}$ improve?