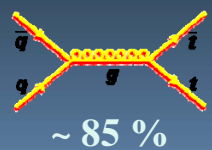
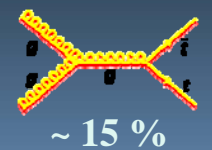




# Top Quark Production Cross Section at CDF II



~ 85 %



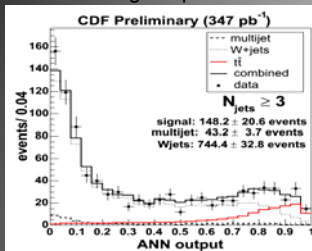
~ 15 %

Dilepton Channel

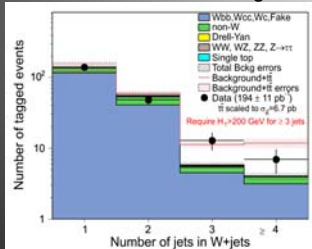
All Hadronic Channel

Missing Energy + Jets Channel

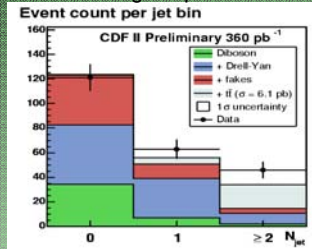
No b-Tag Requirement



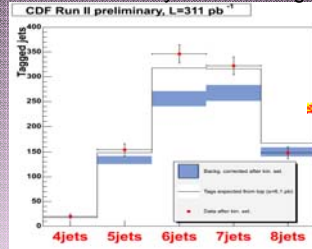
One Soft Muon b-Tag



No b-Tag Requirement



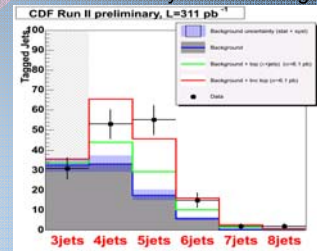
One Secondary Vertex b-Tag



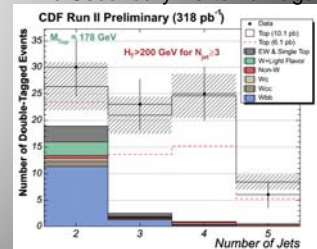
CDF Top Cross Section Results Assuming M\_top = 178 GeV/c^2

Channel	Cross Section (pb)
Lepton+Jets: Kinematic NN (L=347 pb^-1)	6.3 +/- 0.8 +/- 1.0
Lepton+Jets: Soft Muon Tag (L=193 pb^-1)	5.1 +/- 3.3 +/- 1.3
Lepton+Jets: Jet Prob Tag (L=318 pb^-1)	8.9 +/- 1.0 +/- 1.1
Lepton+Jets: Vertex Tag (L=318 pb^-1)	8.7 +/- 0.9 +/- 1.2
Lepton+Jets: Dbl Vertex Tag (L=318 pb^-1)	10.1 +/- 1.6 +/- 2.1
MET+Jets: Vertex Tag (L=317 pb^-1)	5.9 +/- 1.1 +/- 1.6
All Hadronic: Vertex Tag (L=319 pb^-1)	7.5 +/- 1.7 +/- 3.3
Dilepton (L=358 pb^-1)	9.9 +/- 2.1 +/- 1.4
<b>Combined (*) (L=358 pb^-1)</b>	<b>6.9 +/- 0.6 +/- 0.8</b>

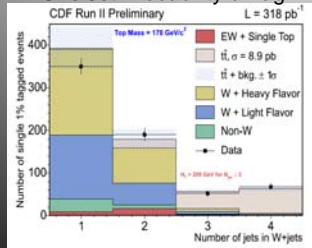
One Secondary Vertex b-Tag



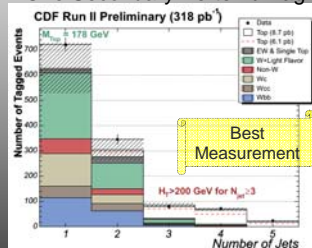
Two Secondary Vertex b-Tags



One Jet Probability b-Tag

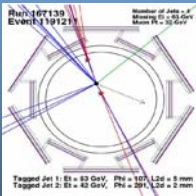


One Secondary Vertex b-Tag

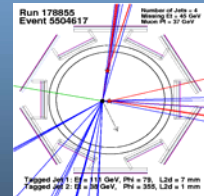


Best Measurement

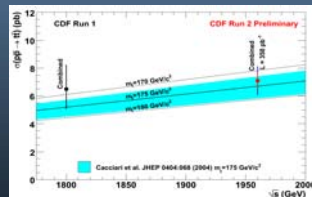
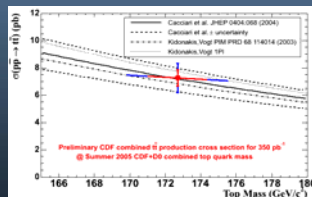
Lepton + Jets Channel



Top candidate event with two displaced vertex-tagged jets



Top candidate event with two displaced vertex-tagged jets



(\*) Combined Top Cross Section result includes the measurements in Lepton+Jets (Kinematic NN, Soft Muon Tag and Vertex Tag), MET+Jets and All Hadronic channels, and the previous Dilepton channel result with L=200 pb^-1 (7.0 +/- 1.2 +/- 1.3 pb)