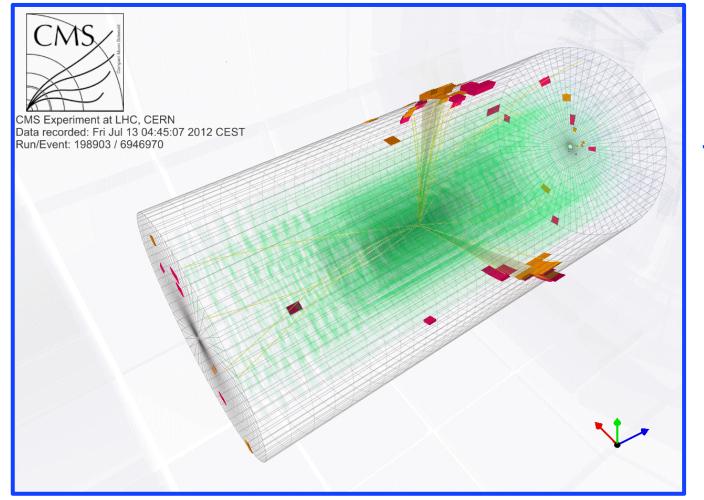
High E_T Jets and Pomerons: Both bj's many interests (& full acceptance detectors)

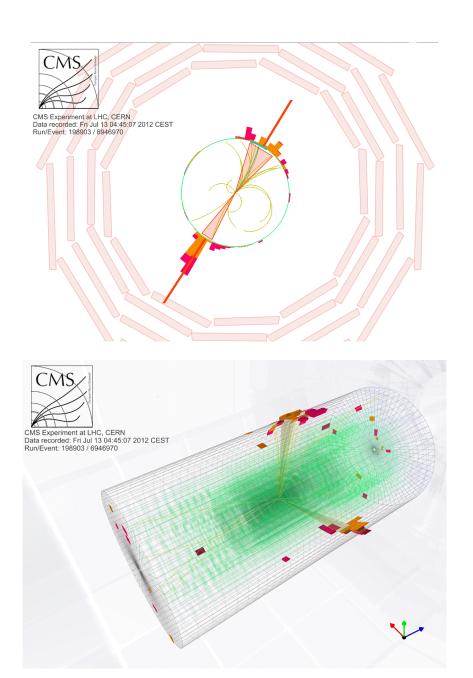


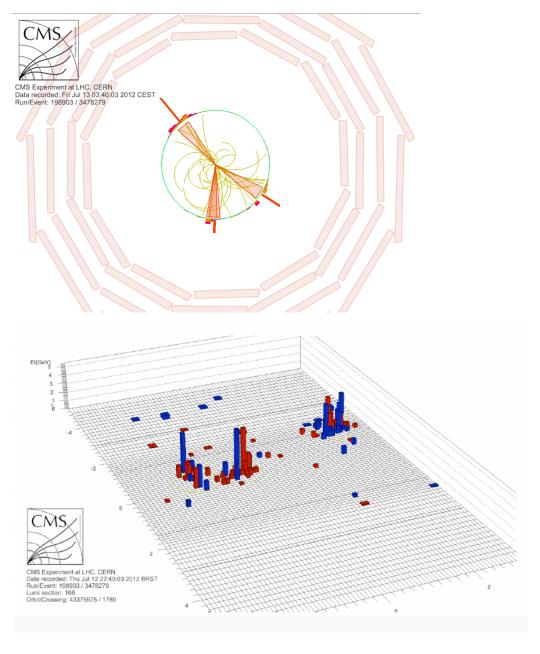
Mike Albrow (FNAL)

bj inspired rap-gap detectors First CDF at Tevatron then → CMS at LHC

Jets E_T = 42.3, 40.5 GeV M(JJ) = 93.3 GeV FSC (6 ~< $|\eta|$ ~< 8) empty

The cleanest jet events you ever saw at a hadron collider! p + JJ + p
Thanks to TOTEM for protons, FSC for rapidity gaps, low pile-up running in 2012
"Rapidity Gap detectors" = FORWARD SHOWER COUNTERS (FSC) IN CMS





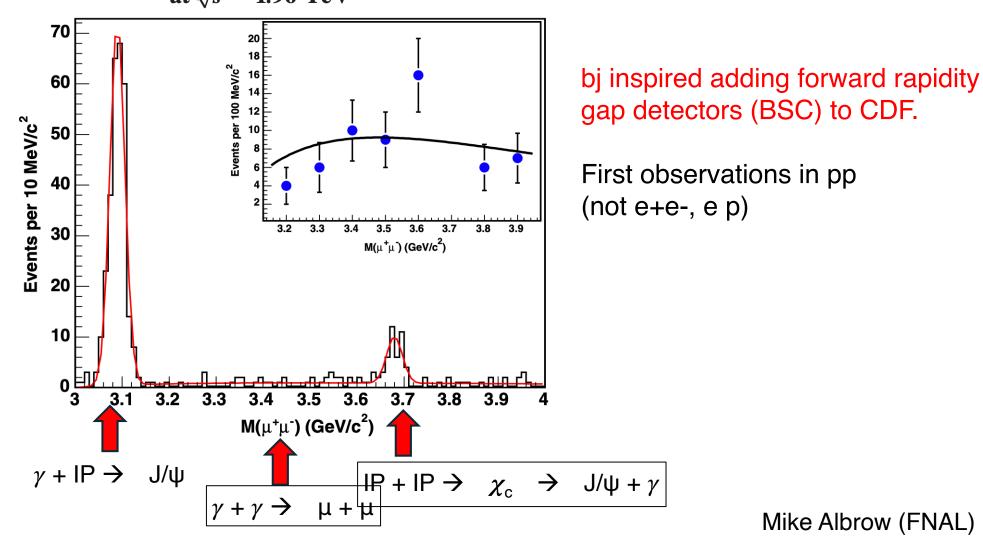
About 50 "perfect" 2-jet events and a few 3-jet events

PHYSICAL REVIEW LETTERS

week ending 19 JUNE 2009

Observation of Exclusive Charmonium Production and $\gamma\gamma \to \mu^+\mu^-$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96 \text{ TeV}$

264 citations

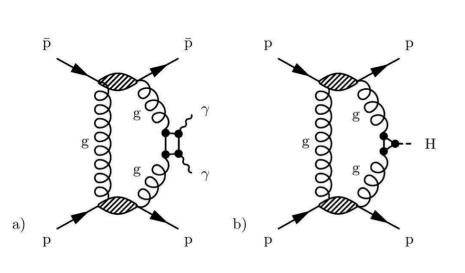


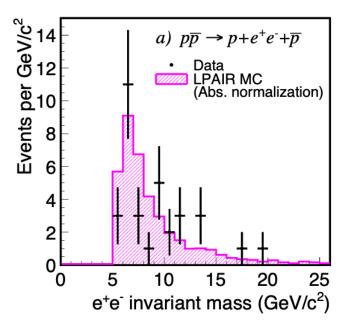
Mike Albrow (FNAL)

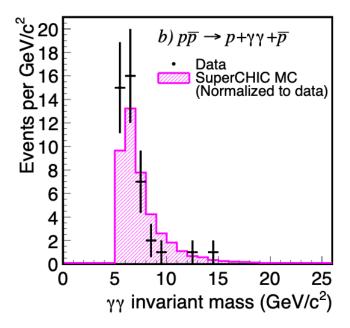
week ending 24 FEBRUARY 2012

Observation of Exclusive $\gamma\gamma$ Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.96~{\rm TeV}$

Test theory: perturbative pomeron







Constrains σ (p + H(125) + p) to be a few fb at LHC Diffractive excitation of the vacuum \rightarrow Higgs.