



CDF Japan Group Contribution (2) Physics Analyses



Top Quark Mass

Tsukuba group has worked on the top quark mass and kinematics analysis since Run0, and reported the results in 27 CDF notes before the top quark discovery. Dynamical Likelihood Method (DLM) was invented by K. Kondo.

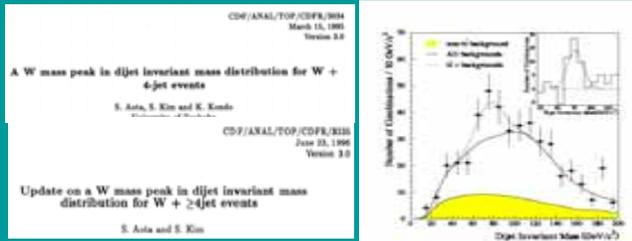


Tsukuba group reported the top quark masses from $t\bar{t}$ candidates $W +$ jets events with one b-tag in Run1a.

Top quark masses in Run1a reconstructed by Tsukuba group and 4 other groups were compared between each other (end of 1993).

Hadronic W decay in $t\bar{t}$ events

Hadronic W decay in $t\bar{t}$ events was first observed in $W + 4$ jet pre-tagged events after $H_T > 330$ GeV cut.

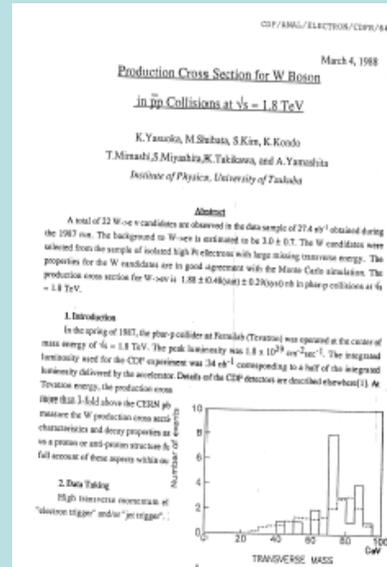


9th Topical Workshop on Proton-Antiproton Collider Physics held in October 1993 at Tsukuba

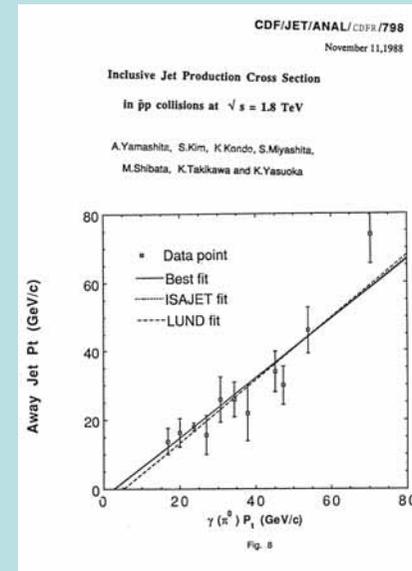
Excursion for accompanying persons of participants



$W \rightarrow e\nu$ Cross Section Measurement in 1987 Engineering Run



E_T balancing between γ and jet in $\gamma +$ jet jet events in 1987 Engineering Run



PhD Theses in Japan Group

Before RUN I (15 PhD Theses) + RUN I (24 PhD Theses)

T. Chikamatsu Top-Quark Search in the Dilepton Channel in 1.8-TeV Proton-Antiproton Collisions(1994.2).

PRL 73 (1994) 225; citation 473 PR D50 (1994) 2966; citation 545

S. Aota A Measurement of Top Quark Mass and Kinematics Properties in Fermilab 1.8-TeV Proton-Antiproton Collisions (1997.1) PRL 80 (1998) 2767; citation 95 PRL 80 (1998) 5720; citation 11

Newspaper Articles on Evidence for Top Quark Production



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