

CDF Japan Group Contribution (2) Physics Analyses

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destron tripper" and/or "jet tripper".

University of Tsukuba

2. Data Taking



Top Quark Mass

Tsukuba group has worked on the top guark 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.

Reconstruction of b-tagged Events in the Lepton +Jets Channel as

5.Kim and K. Kond

A method of parton level reconstruction of lepton-jets events as of production is de-cribed. The method is applied for reconstruction of HERWIGLIGHT. Master Carlo of creates the contract of the termination of the superiors of them anapples are shown. Which this Moster Carlo order, we resultant errors in reconstructed masses, and we also closel the COP manufact jet energy seek. The method is then applied to if confidence events in the COP Run is deck, in which

CDF/TOP/PHYS/2401

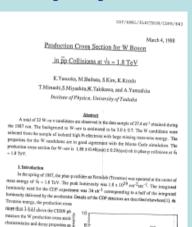
Comparison of fitting methods on top candidate events

J.Lys, M.Binkley, L.Galtieri, B.Harral, S.Kim, K.Kondo, K.Sliwa,

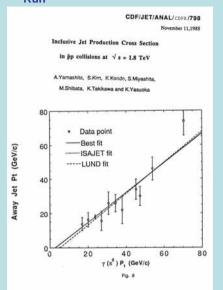
Tsukuba group reported the top quark masses from tt candidates W+ ets events with one b-tag in Run1a.

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

W→ev Cross Section Measurement In 1987 Engineering Run



 E_{τ} balancing between γ and jet in γ + jet jet events in 1987 Engineering Run

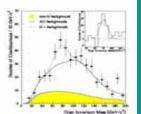


Hadronic W decay in tt events

Hadronic W decay in tt events was first observed in W + 4jet pre-tagged events after H_T > 330GeV cut.

CDETAXAL/TORICDER/BID

S. Asia and S. Kim



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

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



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

Excursion for accompanying





