

B PRODUCTION (CROSS-SECTION AT CDF)

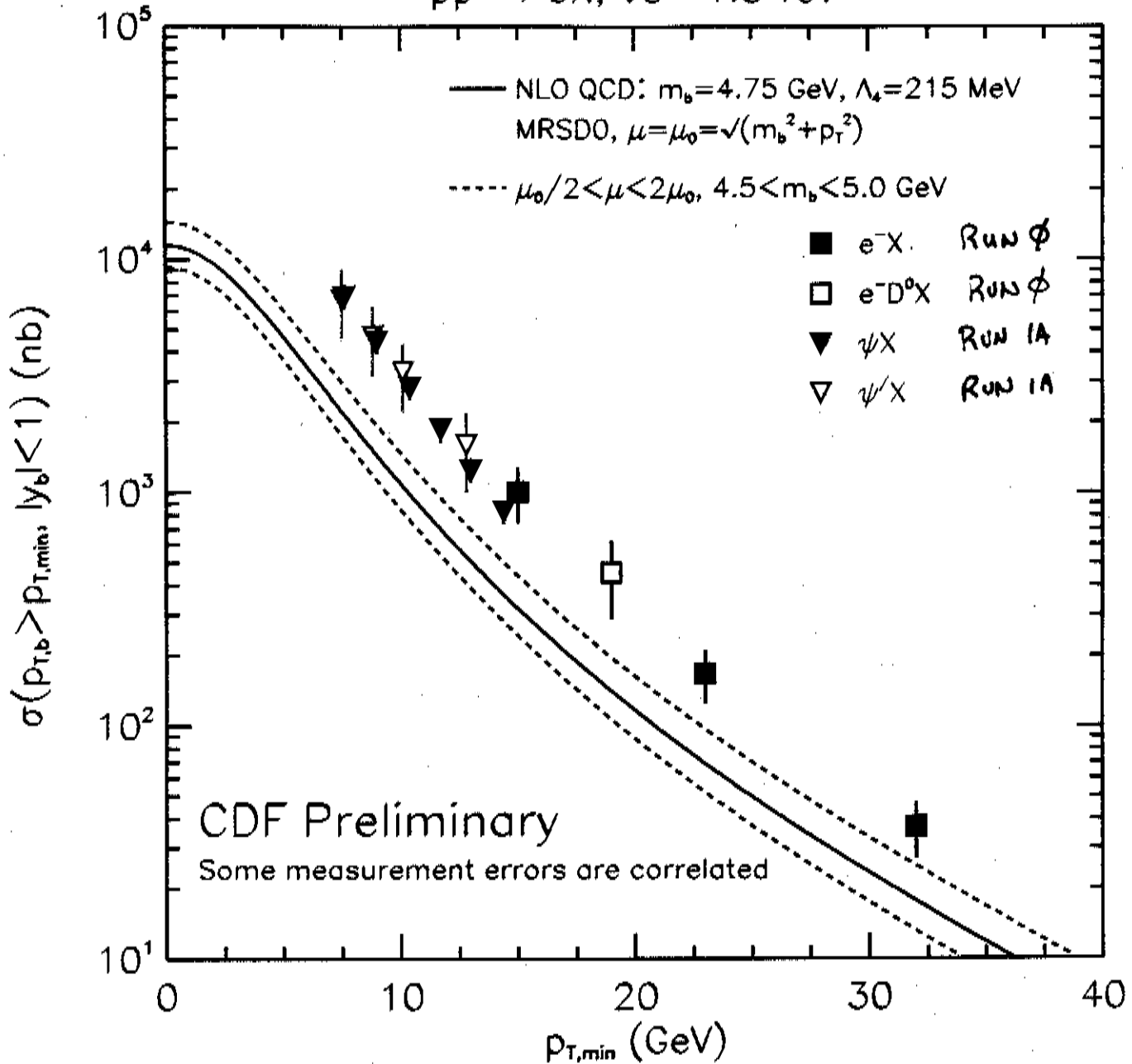
- NO RESULTS SINCE RUN 1A
- TRIED UNSUCCESSFULLY TO GET TALK CANCELLED
- YET ANOTHER LOOK AT $\int \sigma_b$ VS P_t
- RAPIDITY CORRELATIONS IN CDF
- A NEW $\int \sigma_c$ VS P_t

W. TRISCHUK

TORONTO/CDF

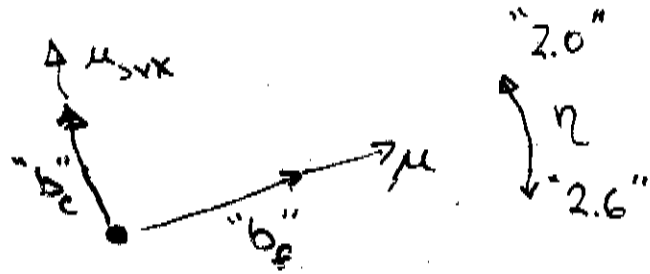
99.09.24

$p\bar{p} \rightarrow bX, \sqrt{s} = 1.8 \text{ TeV}$

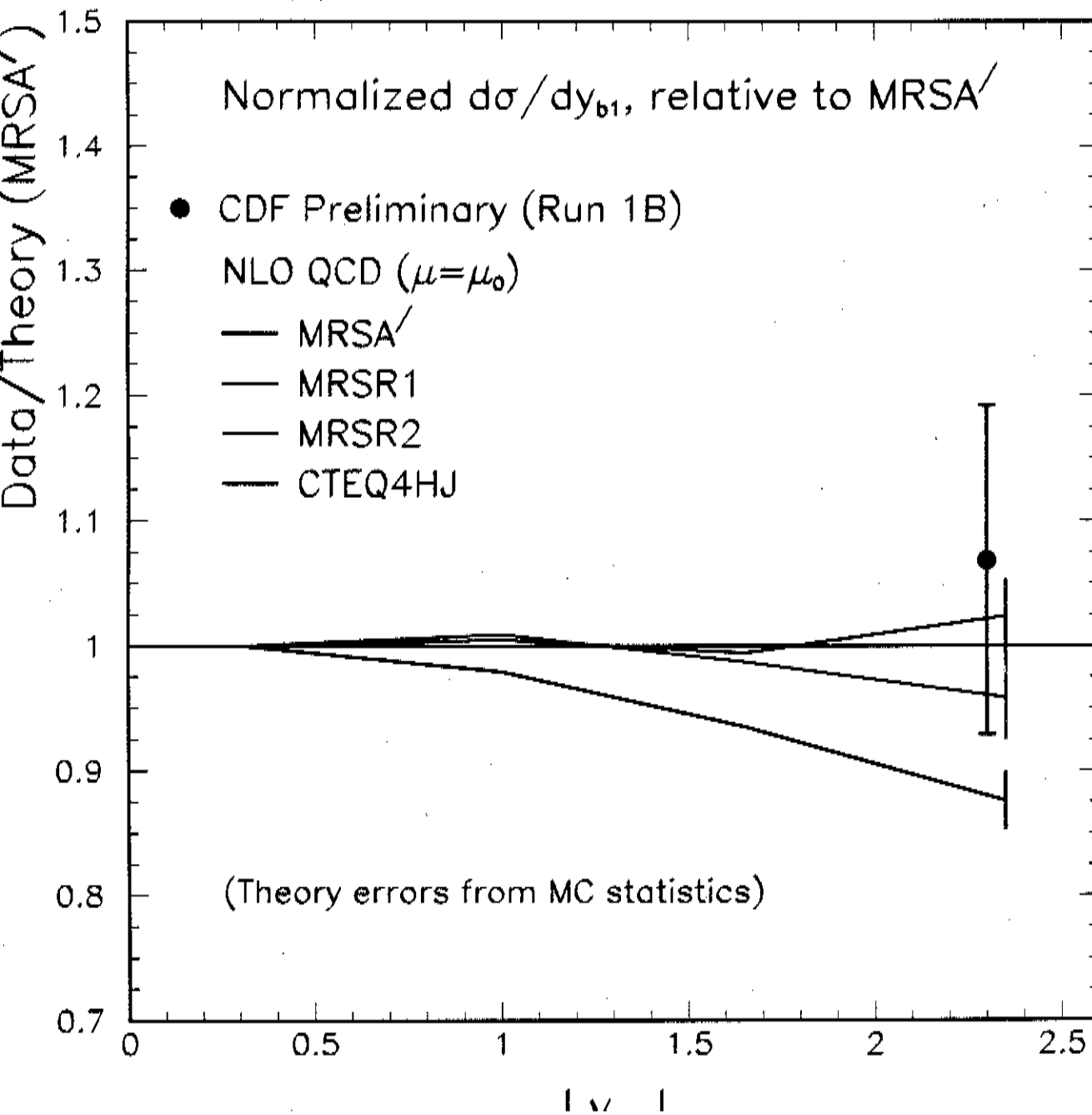


LAST UPDATED 1997.

b \bar{b} RAPIDITY CORRELATIONS



$pp \rightarrow b_1 b_2 X, \sqrt{s} = 1.8 \text{ TeV}$



THEORY
PREDICTS
 $\frac{\sigma_{fc}}{\sigma_{cc}} \sim 0.3'$
CDF data
agrees

D^{*+} PRODUCTION AT CDF (NEW JUNE '99)

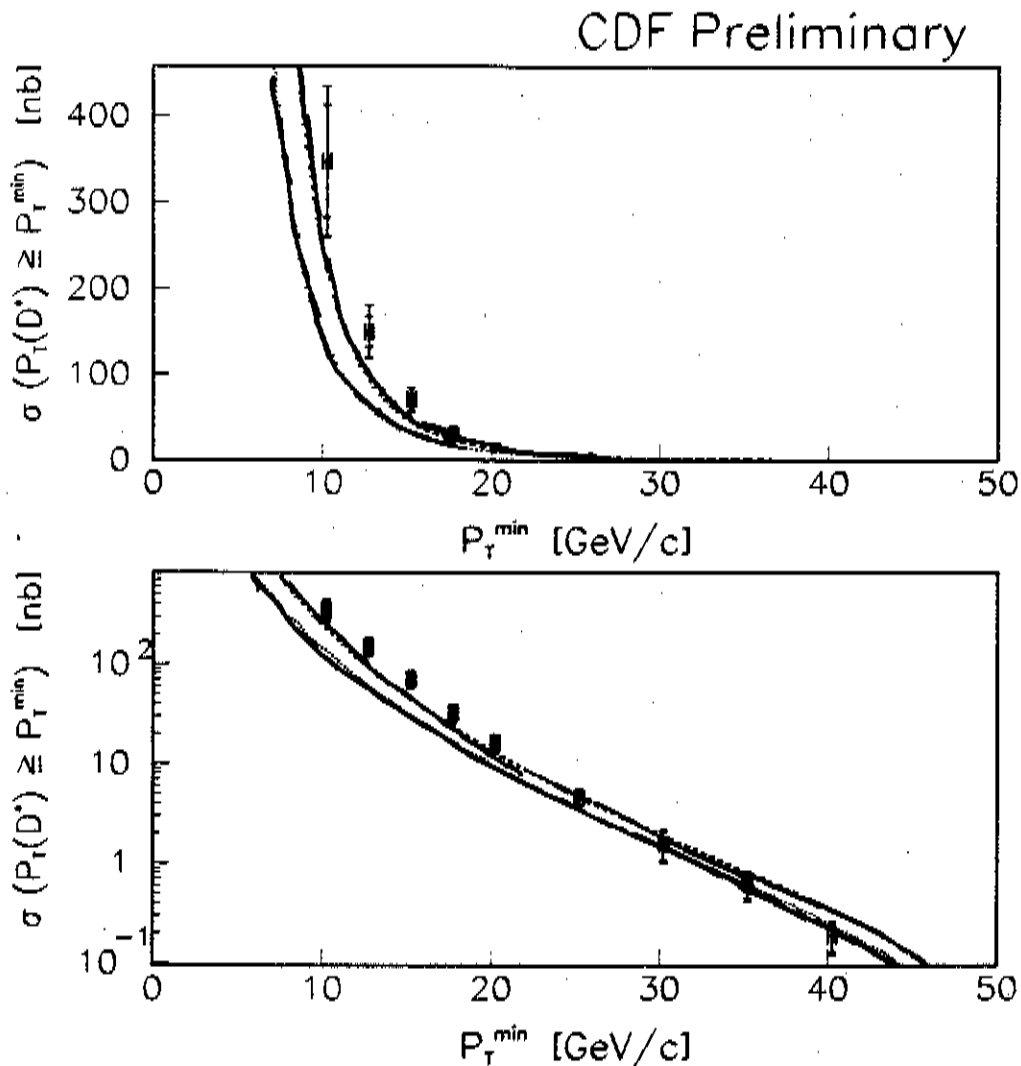


Figure 29: The Integrated cross section of the D^{*+} production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. We embed the theoretical prediction provided by Matteo Cacciari (dashed line). The calculation by M. Mangano is also embedded (dotted line) with the Peterson fragmentation function of $\epsilon = 0.078$. The inner error bars show the statistical error and the outer error bars represent the sum of the statistical and the systematic errors.

MNR