

Differential Cross Section for W and Z Boson Production

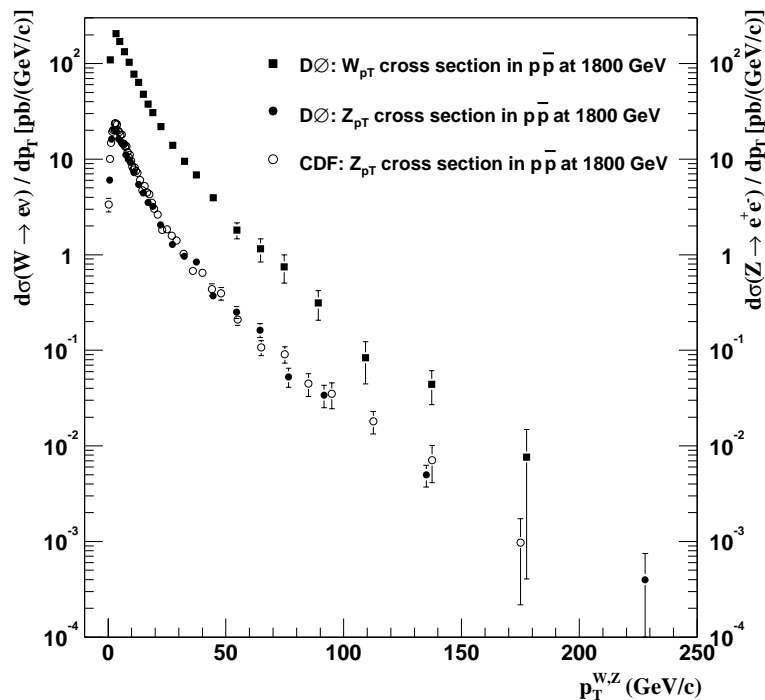


Figure 39.3: Differential cross section for W and Z boson production. The error bars are total errors, excluding the $D\phi$ (CDF) 4.4% (3.9%) luminosity uncertainty. $D\phi$: Phys. Lett. **B513**, 292 (2001), Phys. Rev. Lett. **84**, 2792 (2000). CDF: Phys. Rev. Lett. **84**, 845 (2000). (Courtesy of V.D. Elvira, Fermilab, 2001)

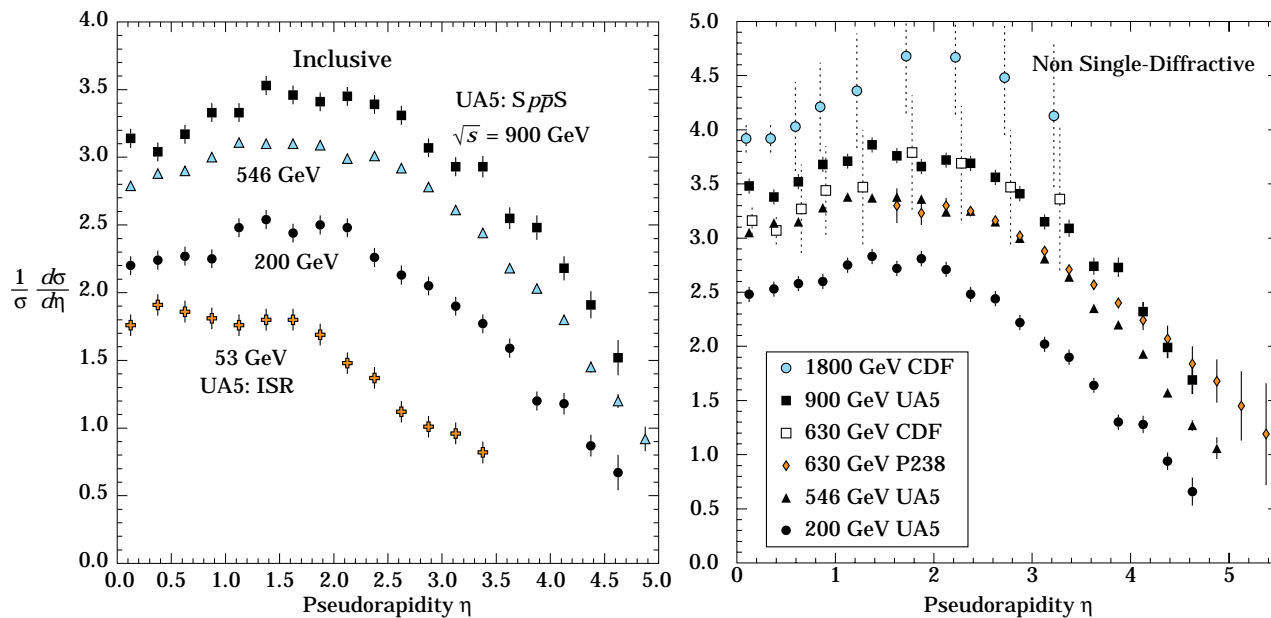
Pseudorapidity Distributions in $p\bar{p}$ Interactions

Figure 39.4: Charged particle pseudorapidity distributions in $p\bar{p}$ collisions for $53 \text{ GeV} \leq \sqrt{s} \leq 1800 \text{ GeV}$. UA5 data from the $Spp\bar{S}$ are taken from G.J. Alner *et al.*, Z. Phys. **C33**, 1 (1986), and from the ISR from K. Alpgård *et al.*, Phys. Lett. **112B**, 193 (1982). The UA5 data are shown for both the full inelastic cross-section and with singly diffractive events excluded. Additional non single-diffractive measurements are available from CDF at the Tevatron, F. Abe *et al.*, Phys. Rev. **D41**, 2330 (1990) and Experiment P238 at the $Spp\bar{S}$, R. Harr *et al.*, Phys. Lett. **B401**, 176 (1997). (Courtesy of D.R. Ward, Cambridge Univ., 1999.)