

MEASUREMENT OF DY ABSOLUTE CROSS-SECTION MEASUREMENT FOR P+P AND P+D COLLISIONS WITH 120GeV PROTON BEAM AT FERMILAB

Weekly Updates



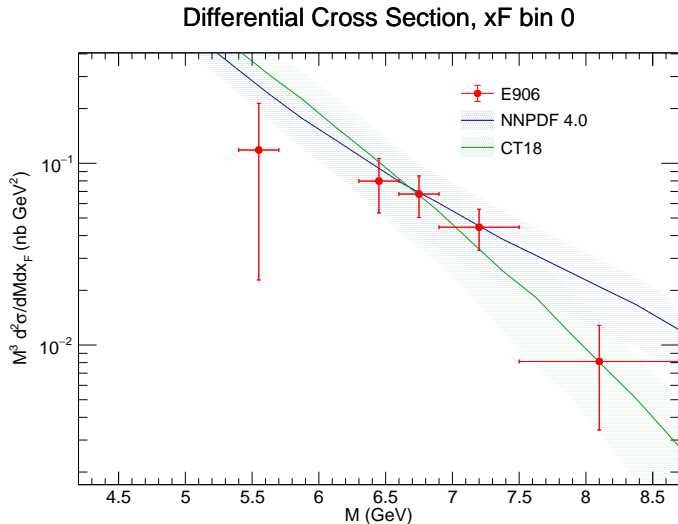
1 Overview

2 Analysis Steps

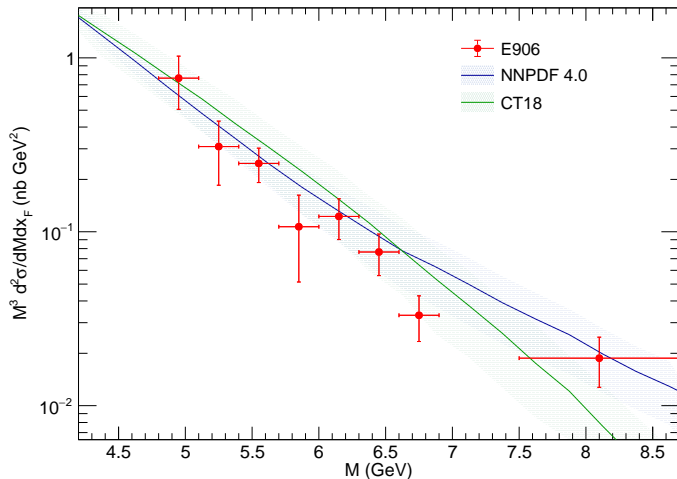
3 Differential Cross-Section Plots

- Event Selection: Chuck cuts.
- Files Used:
 - Data:
`roadset57_70_R008_2111v42_tmp_noPhys.root`
 - J/ψ MC Events:
`mc_jpsi_LH2_M027_S001_messy_occ_pTxFweight_v2.root`
 - ψ' MC Events:
`mc_psiprime_LH2_M027_S001_messy_occ_pTxFweight_v2.root`
 - Mixed Events:
`mixFPGA4_67_R008_preBin2.root`
 - NNPDF4 File:
`NNPDF40_xFnew_p.root`
 - CT18 File:
`CT18_xFnew_p.root`

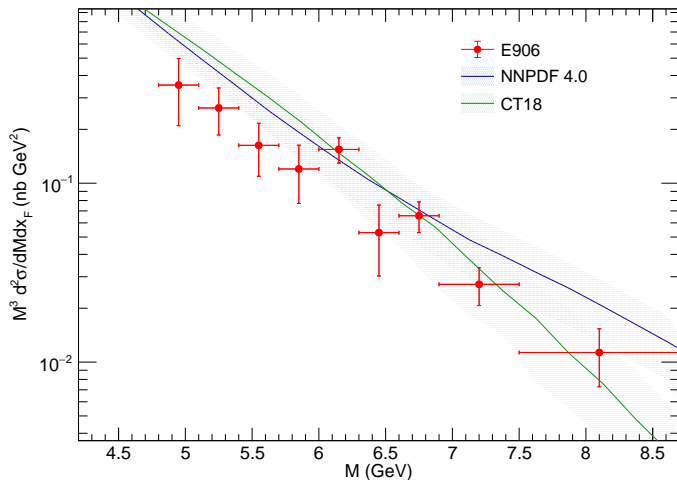
- Background Subtraction from Data by using MC templates.
- Applying acceptance and kTracker efficiency corrections to Data. Acceptance and efficiency corrections.
- Scale for live POT and hodo efficiencies.



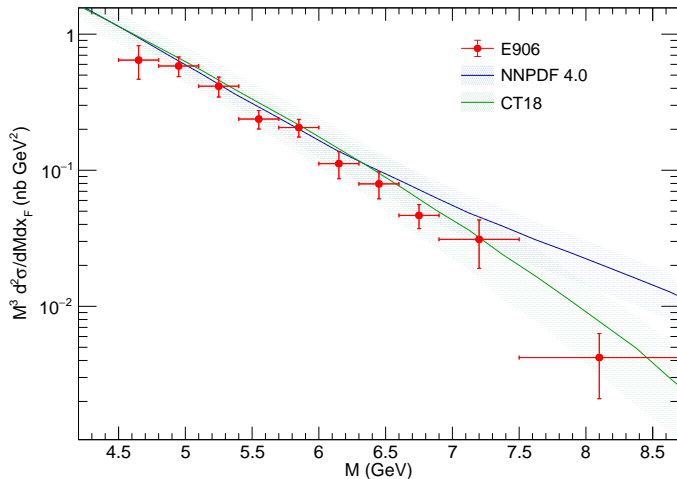
Differential Cross Section, x_F bin 1



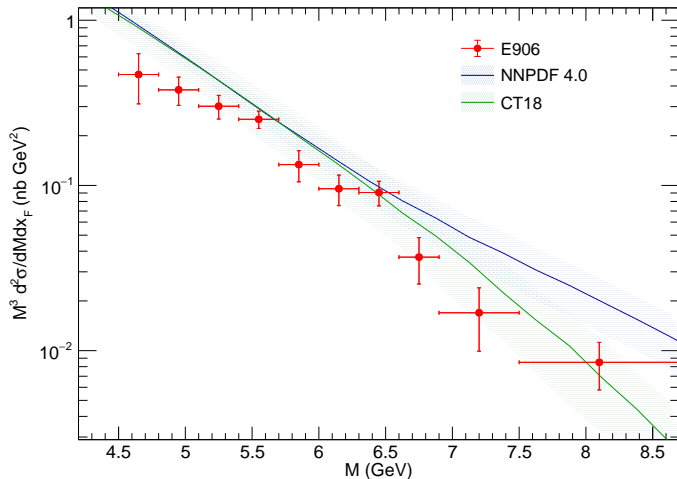
Differential Cross Section, x_F bin 2



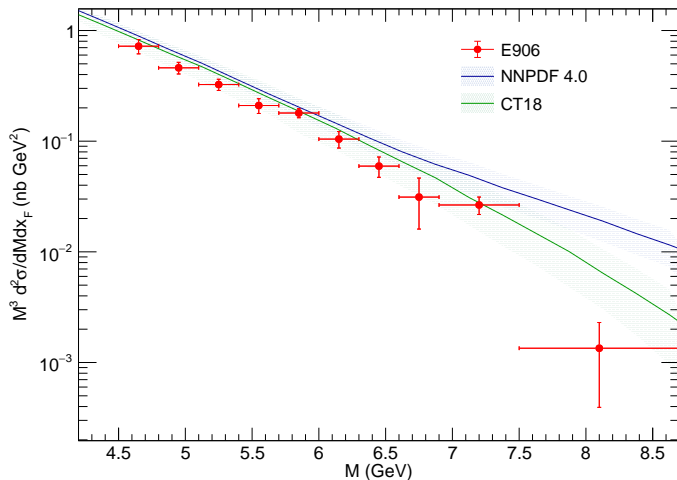
Differential Cross Section, x_F bin 3



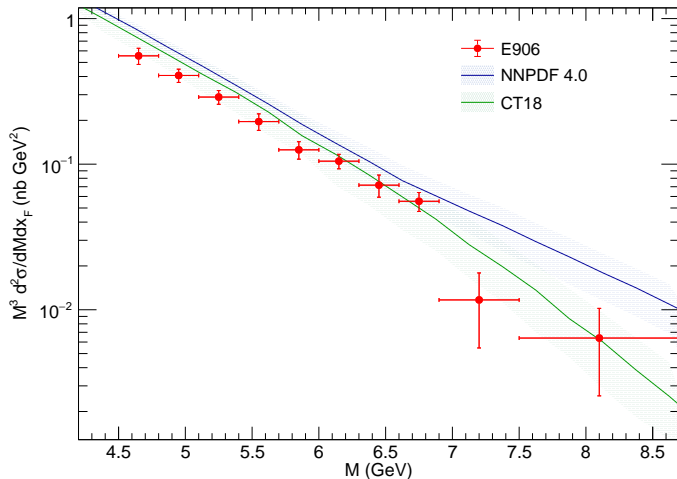
Differential Cross Section, x_F bin 4



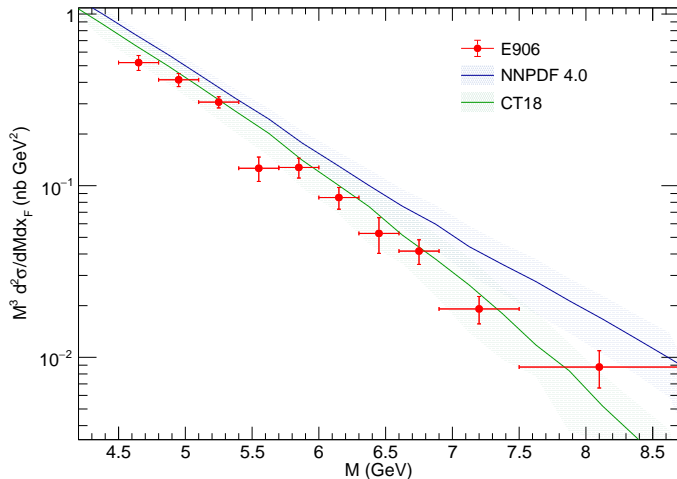
Differential Cross Section, x_F bin 5

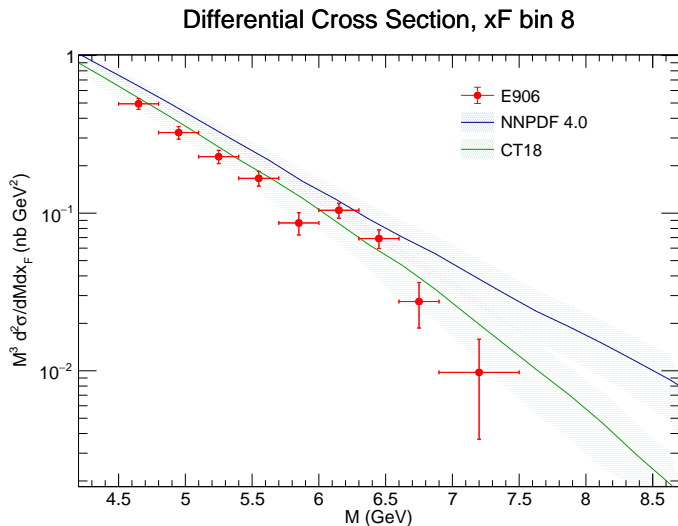


Differential Cross Section, x_F bin 6

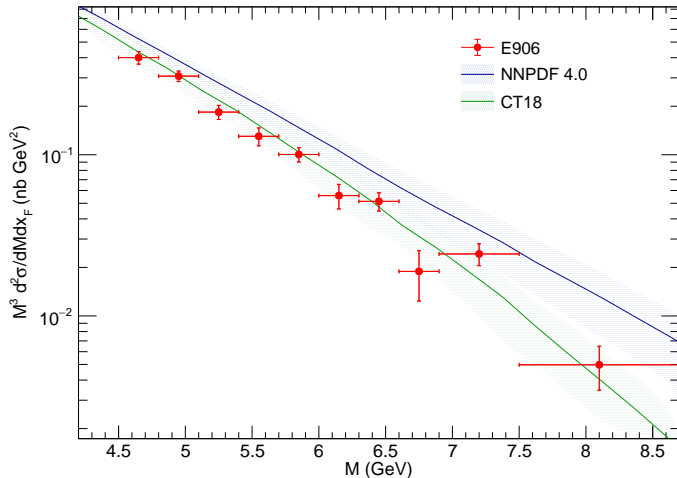


Differential Cross Section, x_F bin 7

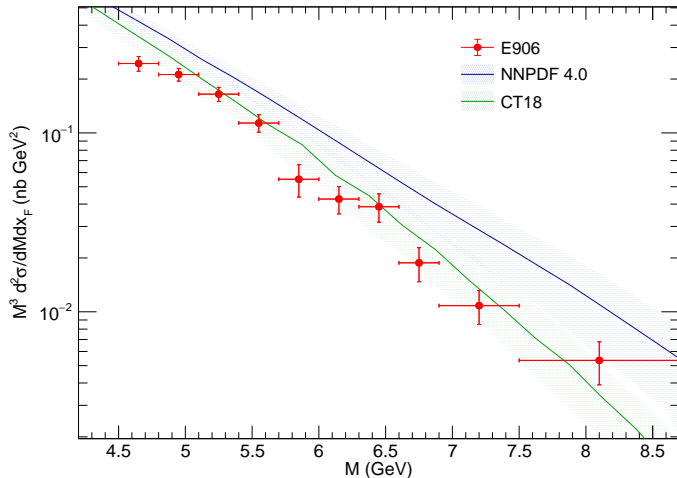




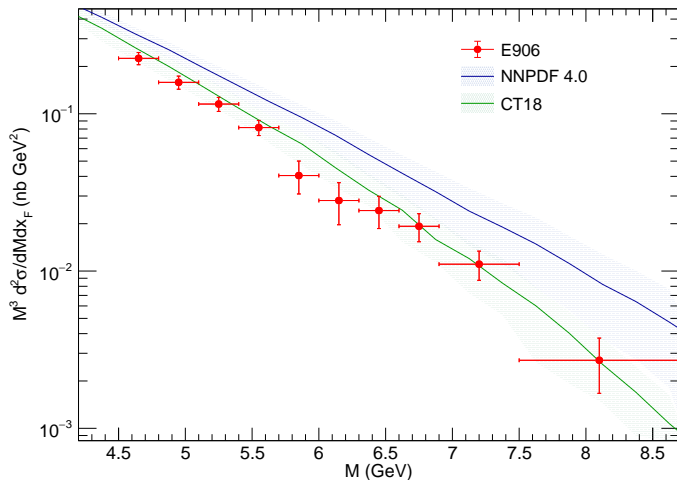
Differential Cross Section, x_F bin 9



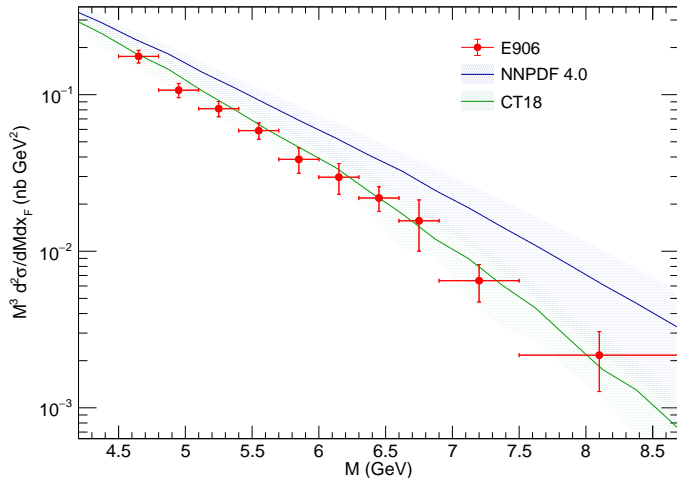
Differential Cross Section, x_F bin 10



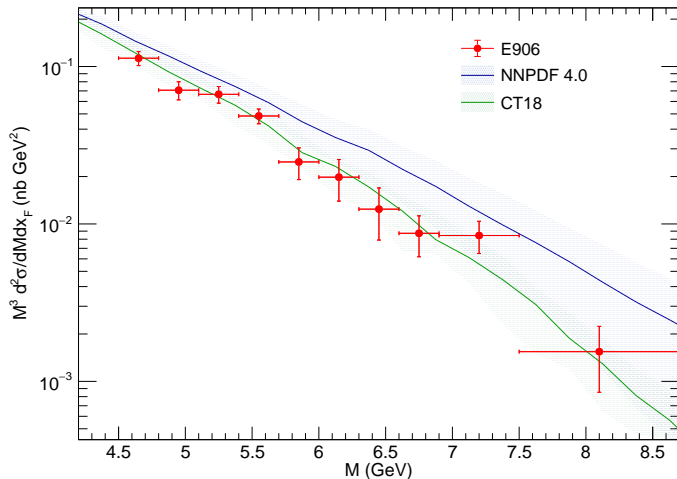
Differential Cross Section, x_F bin 11



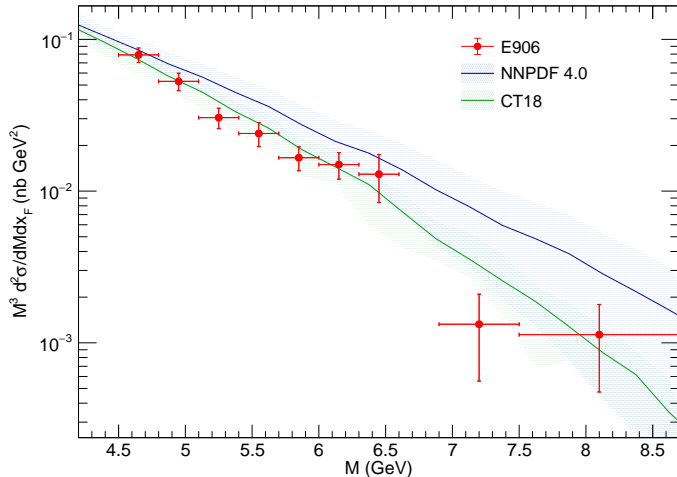
Differential Cross Section, xF bin 12



Differential Cross Section, x_F bin 13



Differential Cross Section, x_F bin 14



Differential Cross Section, x_F bin 15

