Heavy Flavor Production

PYTHIA 5.6 / JETSET 7.3 used to generate c and b production

GRV LO structure functions

intrinsic p_T added of 2 GeV
(at low energy Peterson function fragmentation + p_T kick
= delta function-type fragmentation)

fix PYTHIA parameters from data and choose total cross section to get PYTHIA K factor

$$\sigma_{c\bar{c}} = 200\mu b$$
$$\sigma_{b\bar{b}} = 2\mu b \quad \text{(with same K factor)}$$