Diffractive Structure Function $F_{jj}^D(\beta)$

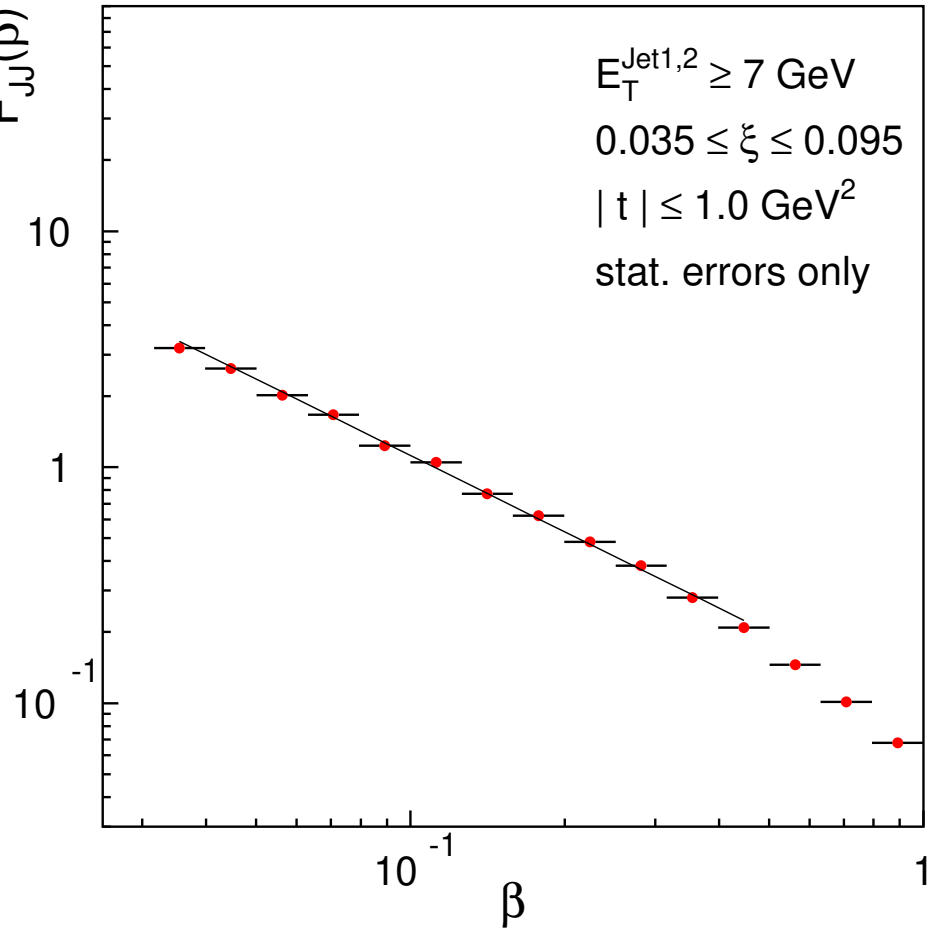
$$F_{jj}^D(x_{\bar{p}}) = R_{\frac{SD}{ND}}(x_{\bar{p}}) \times F_{jj}(x_{\bar{p}})$$

$$\left(F_{jj}^{(D)}(x_{\bar{p}}) = x_{\bar{p}} \left[g^{(D)}(x_{\bar{p}}) + \frac{4}{9} q^{(D)}(x_{\bar{p}}) \right] \right)$$

$F_{jj}(x_{\bar{p}})$ is extracted from GRV98LO at $Q^2 = 75$ GeV^2

$$F_{jj}^D(x_{\bar{p}}) \longrightarrow F_{jj}^D(\beta)$$

$$(\beta = x_{\bar{p}}/\xi)$$

The lines are fits to $C \cdot (\beta/0.1)^{-n}$

$$(10^{-3}/\xi_{min} < \beta < 0.5)$$