
keas $20 \%$, 29.9
keas $10 \%$ g, $2-3 \%$ q

$$
\frac{d \sigma}{d \sigma^{2}}=\frac{d e^{2} d}{\frac{2 \pi}{\sigma b}}+\left(\frac{d \sigma}{d \sigma}\right)_{2 \alpha}-\left(\frac{d \sigma}{d \sigma^{-}}\right)_{\text {ap }}
$$

q-gin $\mu_{5}=Q z$ non-peraribitive
gregion sequartion is neaningks
keaps $20 \% \mathrm{q}, 289$

$9 \cdot \operatorname{gin} \mu_{5}=Q z$ non-peranalive gregion seqaration is neanngbess.

Uncertanty

- tail matching
- nompertwiotive
- perbturbative (ssale variation)
- check reverihilal data
- generate Pythia
- put uncertaintes on sereraction
- reweight to $\left(\tau_{0}\right)$
- genesate pseudodata

