

13000 GeV pp

Z+Jet

Groomed $\text{LHA}\lambda_{0.5}^1$ (CMS jet substructure) $\frac{1}{N} \frac{dN}{d\lambda}$ $\frac{1}{p_T} \frac{dN}{d\lambda}$ $\frac{1}{p_T^2} \frac{dN}{d\lambda}$ $\frac{1}{p_T^3} \frac{dN}{d\lambda}$ $\frac{1}{p_T^4} \frac{dN}{d\lambda}$ $\frac{1}{p_T^5} \frac{dN}{d\lambda}$ $\frac{1}{p_T^6} \frac{dN}{d\lambda}$ $\frac{1}{p_T^7} \frac{dN}{d\lambda}$ $\frac{1}{p_T^8} \frac{dN}{d\lambda}$ $\frac{1}{p_T^9} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{10}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{11}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{12}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{13}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{14}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{15}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{16}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{17}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{18}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{19}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{20}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{21}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{22}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{23}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{24}} \frac{dN}{d\lambda}$ $\frac{1}{p_T^{25}} \frac{dN}{d\lambda}$

CMS

(CMS_2021_I1920187)

Ratio to CMS

mcplots.cern.ch [arXiv:1306.3436]

groomed LHA