

Jets

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

LHA

Figure 1 displays the LHA $\lambda_{0.5}^1$ (CMS jet substructure) results. The top panel shows the differential event rate $\frac{dN}{d\ln\lambda_{0.5}^1}$ versus $\lambda_{0.5}^1$ for CMS (black squares) and Pythia 8.170 default (blue triangles) models. The bottom panel shows the ratio of the Pythia 8.170 default model to the CMS model, with a green shaded band indicating the uncertainty.

$\lambda_{0.5}^1$	CMS $\frac{dN}{d\ln\lambda_{0.5}^1}$	Pythia 8.170 default $\frac{dN}{d\ln\lambda_{0.5}^1}$	Ratio to CMS
0.1	~1000	~1000	~1.0
0.2	~1000	~1000	~1.0
0.3	~1000	~1000	~1.0
0.4	~1000	~1000	~1.0
0.5	~1000	~1000	~1.0
0.6	~1000	~1000	~1.0
0.7	~1000	~1000	~1.0
0.8	~1000	~1000	~1.0
0.9	~1000	~1000	~1.0
1.0	~1000	~1000	~1.0