

Jets

Rivet 3.1.10, $\geq 2.2\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2021_I1920187

Top Panel: $\frac{1}{\sigma} \frac{d\sigma}{dp_{T\gamma}}$ vs $p_{T\gamma}$ (GeV)

Bottom Panel: Ratio to CMS vs $p_{T\gamma}$ (GeV)

Legend:

- CMS
- ▼ Herwig 7.2.1 softTune
- △ Pythia 6.428 370
- ▲ Pythia 8.308 default

Top Panel Y-axis: $\frac{1}{\sigma} \frac{d\sigma}{dp_{T\gamma}}$ (GeV⁻¹)

Bottom Panel Y-axis: Ratio to CMS

Top Panel X-axis: $p_{T\gamma}$ (GeV)

Bottom Panel X-axis: $p_{T\gamma}$ (GeV)

Top Panel Title: $(p_T^D)^2 \lambda_0^2$ (CMS jet substructure)

Bottom Panel Title: Ratio to CMS

Top Panel Y-axis Range: 0 to 10000

Bottom Panel Y-axis Range: 0.5 to 2

Top Panel X-axis Range: 0 to 1

Bottom Panel X-axis Range: 0 to 1

Top Panel Legend: CMS, Herwig 7.2.1 softTune, Pythia 6.428 370, Pythia 8.308 default

Bottom Panel Legend: Ratio to CMS

Top Panel Data Points: CMS (black squares), Herwig 7.2.1 softTune (green triangles), Pythia 6.428 370 (red triangles), Pythia 8.308 default (blue triangles)

Bottom Panel Data Points: Ratio to CMS (yellow band)

Top Panel Text: $(p_T^D)^2 \lambda_0^2$ (CMS jet substructure)

Bottom Panel Text: Ratio to CMS

Top Panel Text: $\frac{1}{\sigma} \frac{d\sigma}{dp_{T\gamma}}$ (GeV⁻¹)

Bottom Panel Text: Ratio to CMS

Top Panel Text: $p_{T\gamma}$ (GeV)

Bottom Panel Text: $p_{T\gamma}$ (GeV)

Top Panel Text: CMS_2021_I1920187

Bottom Panel Text: Ratio to CMS

Top Panel Text: Rivet 3.1.10, ≥ 2.2M events

Bottom Panel Text: mcplots.cern.ch [arXiv:1306.3436]