

Figure 10: Forward dijet cross-section and ratio to CMS for various Pythia models. The top panel shows the cross-section $\frac{1}{\sqrt{s}} \frac{dN}{dp_T d\lambda}$ on a logarithmic scale (y-axis, ranging from 10^{-2} to 10^2) versus p_{TD2} (x-axis, ranging from 0 to 1). The bottom panel shows the ratio of the cross-section to the CMS result on a linear scale (y-axis, ranging from 0.5 to 2) versus p_{TD2} (x-axis, ranging from 0 to 1). The shaded region in the bottom panel indicates the ratio range for the different models.

Legend for the top panel:

- CMS
- Pythia 6.428 390
- Pythia 6.428 391
- ◇ Pythia 6.428 392
- ★ Pythia 6.428 396
- ☆ Pythia 6.428 397
- ▼ Pythia 6.428 398

Legend for the bottom panel:

- Ratio to CMS
- Shaded region: Ratio to CMS (0.5 to 2)