

Top Panel: Differential cross-section $\frac{1}{\#} \frac{dN}{dp_T} \frac{d\lambda}{d\lambda}$ vs p_{TD2} (charged-only). The y-axis is logarithmic, ranging from 10^{-2} to 10^2 . The x-axis ranges from 0 to 1. Data points are shown for CMS (black squares), Herwig++ 2.7.1 default (orange dashed line with circles), and Herwig 7.2.1 default (green dashed line with squares). The plot is for CMS, 13 TeV, AK8 jets, forward dijet region, $254 < p_{T}^{j_{et}} < 326$ GeV.

Bottom Panel: Ratio to CMS vs p_{TD2} (charged-only). The y-axis is linear, ranging from 0.5 to 2. The x-axis ranges from 0 to 1. Shaded regions represent the ratio of the cross-section to the CMS result for Herwig++ 2.7.1 (yellow) and Herwig 7.2.1 (green). The plot is for CMS, 13 TeV, AK8 jets, forward dijet region, $254 < p_{T}^{j_{et}} < 326$ GeV.

(CMS_2021_I1920187)

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