

Top Panel: Differential cross-section $\frac{1}{\sqrt{s}} \frac{dN}{dp_T} \frac{d\lambda}{d\lambda}$ vs p_{TD2} . The y-axis is logarithmic, ranging from 10^{-2} to 10^2 . The x-axis is linear, ranging from 0 to 1. The plot shows data points for CMS (black squares) and several Pythia 6.427 models: 359 (red dashed line with squares), 370 (red solid line with triangles), a (green solid line with triangles), dw (green dashed line with triangles), p0 (black solid line with circles), and pro-q2o (green dotted line with stars). A label indicates the central dijet region: $254 < p_{T}^{dijet} < 326 \text{ GeV}$. A reference to Rivet 4.1.0 is also present.

Bottom Panel: Ratio to CMS vs p_{TD2} . The y-axis is linear, ranging from 0.5 to 2. The x-axis is linear, ranging from 0 to 1. The plot shows the ratio of the cross-section to the CMS data for the same Pythia 6.427 models as the top panel. A yellow shaded band indicates the ratio range, and a green shaded band indicates the ratio range.