

Z+Jet

Figure 1 consists of two panels. The top panel shows the distribution of groomed p_{TD2} for CMS data (black squares) and four Pythia 6.428 models (red circles, green squares, blue triangles, and orange squares). The x-axis is groomed p_{TD2} (0 to 1) and the y-axis is $dN/d\ln(p_{TD2})$ (0 to 3000). The bottom panel shows the ratio of the Pythia 6.428 models to the CMS data, with a green band indicating the ratio range. The x-axis is groomed p_{TD2} (0 to 1) and the y-axis is Ratio to CMS (0.5 to 2). The legend indicates the following models: CMS (black squares), Pythia 6.428 345 (red circles), Pythia 6.428 346 (green squares), Pythia 6.428 370 (blue triangles), and Pythia 6.428 default (orange squares). The text 'CMS_2021_11920187' is visible in the top panel.