

Figure 1 consists of two panels. The top panel shows the differential event rate $\frac{1}{\lambda} \frac{dN}{dp_T d\lambda}$ on a logarithmic scale (from 10^{-1} to 10^2) versus groomed p_{TD2} (from 0 to 1). The data points are from CMS (black squares) and four Pythia models (Pythia 6.428 391, 393, 394, 395). The bottom panel shows the ratio of the models to the CMS data, with yellow and green shaded regions indicating the uncertainty bands. The x-axis for both panels is groomed p_{TD2} , ranging from 0 to 1. The top panel includes a legend for CMS (black squares) and four Pythia models (Pythia 6.428 391, 393, 394, 395). The bottom panel includes a legend for the ratio to CMS, with yellow and green shaded regions.