

Jets

Figure 1 consists of two panels. The top panel is a plot of the distribution of groomed LHA for CMS and several Pythia 6.428 models. The x-axis is labeled 'groomed LHA' and ranges from 0 to 1. The y-axis is labeled 'mathrm dN / mathrm d p_T' and ranges from 0 to 1000. The CMS data is shown as black squares. The Pythia models are: Pythia 6.428 345 (red dashed line with open circles), Pythia 6.428 346 (yellow dotted line with open squares), Pythia 6.428 370 (red solid line with open triangles), Pythia 6.428 ambt1 (yellow solid line with open triangles), Pythia 6.428 z1 (red dotted line with solid circles), and Pythia 6.428 z2 (yellow solid line with solid circles). The bottom panel shows the ratio of the Pythia models to the CMS distribution. The y-axis is labeled 'Ratio to CMS' and ranges from 0.5 to 2. The x-axis is the same as the top panel. A green band indicates the ratio is within 10% of 1, and a yellow band indicates it is within 20% of 1. The text 'CMS_2021_1306.3436' is visible in the top panel.