35.9 fb<sup>-1</sup> (13 TeV) CMS Preliminary ge4b\_ge2a 39.57 12.02 2.14  $\rightarrow$  Ewk eq3b qe2a 39.32 29.09 63.41 26.53 4.32 858.84 39.67 0.18 eq2b\_ge2a 31.42 19.02 18.65 25.54 **22.0**6 15.98 8.87 3.42 2.29 14.62 7.11 1.8 eq1b\_ge2a 1.87 22.17 18.19 14.37 11.94 8.22 5.05 2.99 7.28 3.23 4.96 eq0b\_ge2a 21.35 13.64 9.10 6.70 3.31 2.34 2.03 9.43 7.20 12.48 4.96 ge4b\_ge6j 23.88 17.38 4.22 12.18 11.14 8.81 1.6 eq3b\_ge6j 85.23 57.85 15.46 15.09 10.30 8.01 1.74 eq2b\_ge6j 49.31 41.06 23.01 9.00 10.02 6.66 3.73 eq1b\_ge6j 33.62 53.73 18.28 9.23 11.35 6.70 3.53 1.4 eq0b qe6i 20.19 17.90 13.06 6.82 8.01 7.09 3.33 ge4b\_eq5j 21.83 25.43 19.66 6.28 28.18 eq3b\_eq5j 7.42 102.33 33.55 11.70 3.42 6.38 3.80 eq2b\_eq5j 70.31 65.78 29.63 14.48 4.08 6.55 3.96 1.97 eq1b\_eq5j 31.08 25.25 11.31 5.61 8.27 5.26 39.28 2.60 eq0b\_eq5j 4.66 27.07 22.64 14.78 9.60 5.70 6.52 5.79 2.85 qe4b\_eq4j 4.49 8.25 0.31 2.37 1.51 eq3b\_eq4j 125.02 32.54 2.76 51.55 12.30 7.33 2.92 1.50 8.0 eq2b eq4i 44.11 51.03 34.86 20.91 6.41 2.85 5.08 4.26 2.69 eq1b\_eq4j 75.66 41.07 24.87 13.60 6.76 3.46 6.02 4.73 3.44 eq0b\_eq4j 901.0325.29 20.29 16.97 11.25 6.80 4.10 6.89 4.91 3.19 0.6 eq3b\_eq3j 1.15 1.41 33.81 28.73 25.07 15.81 5.72 1.33 3.14 177.05 eq2b\_eq3j 48.02 32.69 30.69 15.39 5.87 2.29 2.11 2.15 3.83 2.56 eq1b\_eq3j 12.70 43.86 32.23 23.46 14.26 6.72 3.43 2.38 5.60 5.48 2.65 0.4eq0b\_eq3j 43.05 26.00 21.38 17.72 12.21 7.13 4.31 2.71 6.24 4.95 3.13 eq2b\_eq2j 20.08 11.59 18.13 10.93 6.23 3.38 1.18 1.78 2.74 2.87 2.13 eq1b\_eq2j 30.18 26.19 14.71 11.78 6.53 3.54 2.75 1.68 6.65 6.09 2.53 0.2 eq0b\_eq2j 1.85 25.90 21.30 16.22 11.89 6.75 4.14 2.84 6.67 4.63 3.78 eq1b\_eq1j 15.44 15.03 12.91 11.79 12.67 11.15 9.78 11.33 8.91 20.79 6.30

eq0b\_eq1j

200

22.44<sub>1</sub>19.11<sub>1</sub>16.17<sub>1</sub>14.08

12.83

400

11,21

600

11.28

11.10

800

13.89

1000

13.01

HT

8.85

1200