35.9 fb<sup>-1</sup> (13 TeV) CMS Preliminary ge4b\_ge2a 39.35 12.52 2.13  $\mu\mu \rightarrow Ewk$ eq3b qe2a 34.32 31.31 65.87 40.01 22.41 4.38 0.20 185.78 eq2b\_ge2a 33.25 19.58 19.16 26.15 **23.61** 16.37 9.14 3.54 2.31 14.76 6.93 1.8 eq1b\_ge2a 1.85 2.73 5.35 23.51 18.54 14.62 12.17 8.38 5.08 3.01 7.43 eq0b\_ge2a 22.53 13.88 9.27 6.82 3.35 2.04 9.26 7.15 12.61 5.02 2.37 ge4b\_ge6j 30.41 19.72 4.17 12.12 10.08 6.59 1.6 eq3b\_ge6j 110.90 59.01 16.32 14.12 10.42 7.49 1.77 eq2b\_ge6j 54.80 44.97 22.74 8.91 9.96 6.79 3.79 eq1b\_ge6j 34.31 53.23 18.81 9.43 11.29 6.74 3.54 1.4 eq0b qe6i 20.97 18.11 13.25 6.91 7.98 7.04 3.36 ge4b\_eq5j 22.10 25.73 22.47 6.14 19.86 eq3b\_eq5j 7.15 97.04 34.96 11.60 2.96 6.71 3.92 eq2b\_eq5j 69.17 68.40 30.85 14.74 4.11 6.56 4.06 2.07 eq1b\_eq5j 30.58 25.73 11.39 5.64 8.29 5.27 2.59 40.33 eq0b\_eq5j 5.17 27.83 23.33 15.06 9.71 5.73 6.63 5.80 2.86 ge4b\_eq4j 4.92 9.04 0.24 1.82 1.47 eq3b\_eq4j 126.30 36.49 2.80 2.73 52.45 11.60 7.17 1.48 8.0 eq2b eq4i 43.63 54.37 35.40 20.82 6.40 2.94 5.10 4.30 2.72 eq1b\_eq4j 74.42 41.92 25.80 13.75 6.78 3.51 6.09 4.76 3.48 eq0b\_eq4j 745.6625.07 20.90 17.29 11.42 6.91 4.14 6.86 4.88 3.19 0.6 eq3b\_eq3j 1.23 34.91 32.13 26.13 16.37 5.73 1.45 3.63 1.63 204.55 eq2b\_eq3j 50.68 33.38 30.65 16.04 6.05 2.11 2.00 3.87 2.49 2.37 eq1b\_eq3j 15.98 44.69 32.65 23.93 14.64 6.76 3.48 2.36 5.63 5.45 2.67 0.4eq0b\_eq3j 41.11 26.88 21.90 18.04 12.43 7.19 4.35 2.75 6.24 4.99 3.15 eq2b\_eq2j 21.62 12.19 18.77 10.83 6.25 3.39 1.20 1.77 2.90 2.85 2.34 eq1b\_eq2j 32.20 26.11 14.98 11.81 6.58 3.60 2.78 1.69 6.67 6.01 2.57 0.2 eq0b\_eq2j 1.87 27.06 21.85 16.44 12.04 6.85 4.21 2.86 6.73 4.72 3.81 eq1b\_eq1j 16.20 15.14 13.29 11.75 12.78 11.26 10.36 11.55 9.67 23.93 7.51

eq0b\_eq1j

200

23.58 19.17 16.21 14.13

12,90

400

11.30

600

111.31

11.25

800

13.79

1000

13.22

HT

8.74

1200