

Table 1: 1b ge2j

| $H_T$ Bin (GeV)     | 375–475            | 475–575            | 575–675              | 675–775              | 775–875              | 875–975              | 975– $\infty$        |
|---------------------|--------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| SM hadronic         | $617^{+18}_{-18}$  | $217^{+9}_{-9}$    | $71.9^{+5.5}_{-4.4}$ | $23.1^{+2.3}_{-2.1}$ | $14.2^{+2.2}_{-1.7}$ | $5.6^{+1.2}_{-1.2}$  | $2.7^{+0.7}_{-0.7}$  |
| Data hadronic       | 639                | 217                | 76                   | 17                   | 19                   | 7                    | 1                    |
| SM $\mu$ +jets      | $3240^{+61}_{-54}$ | $1477^{+38}_{-37}$ | $611^{+30}_{-24}$    | $295^{+15}_{-15}$    | $150^{+11}_{-13}$    | $76.5^{+9.1}_{-6.7}$ | $59.2^{+7.3}_{-6.6}$ |
| Data $\mu$ +jets    | 3227               | 1477               | 609                  | 299                  | 148                  | 76                   | 60                   |
| SM $\gamma$ +jets   | $516^{+18}_{-22}$  | $196^{+14}_{-12}$  | $66.8^{+7.5}_{-7.5}$ | $26.4^{+5.1}_{-4.5}$ | $14.3^{+3.9}_{-3.1}$ | $8.9^{+2.6}_{-2.8}$  | $4.1^{+1.6}_{-1.7}$  |
| Data $\gamma$ +jets | 507                | 196                | 65                   | 29                   | 12                   | 8                    | 5                    |