

| M_{LQ_3} (GeV) | p_{T}^{τ} (GeV) | S_{T} (GeV) | $N_{\text{Bkg}}^{\text{PP}}$ \pm (stat) | Total $N_{\text{Bkg}}^{\text{Exp}}$ \pm (stat) \pm (syst) | N^{Obs} | Z-score | $N_{\text{LQ}_3}^{\text{Exp}}$ \pm (stat) | ϵ_{LQ_3} (%) |
|--|--------------------------------|-------------------------|--|--|------------------|---------|--|---------------------------------|
| Central channel: $ \widetilde{\eta} < 0.9$ | | | | | | | | |
| 200 | 35 | 410 | 8.5 ± 1.0 | $128 \pm 5 \pm 25$ | 105 | -1.0 | 53 ± 21 | 0.04 |
| 250 | 35 | 410 | 8.5 ± 1.0 | $128 \pm 5 \pm 25$ | 105 | -1.0 | 252 ± 24 | 0.58 |
| 300 | 50 | 470 | 4.2 ± 0.5 | $39.9 \pm 2.9 \pm 8.3$ | 27 | -1.5 | 153 ± 11 | 0.98 |
| 350 | 50 | 490 | 4.0 ± 0.5 | $34.6 \pm 2.7 \pm 7.1$ | 25 | -1.2 | 92.4 ± 5.6 | 1.45 |
| 400 | 65 | 680 | 0.9 ± 0.2 | $7.2 \pm 1.2 \pm 1.7$ | 4 | -1.0 | 28.4 ± 2.1 | 1.00 |
| 450 | 65 | 700 | 0.8 ± 0.2 | $6.3 \pm 1.1 \pm 1.6$ | 4 | -0.8 | 17.3 ± 1.1 | 1.27 |
| 500 | 65 | 770 | 0.5 ± 0.2 | $3.2 \pm 0.8 \pm 0.8$ | 4 | +0.5 | 9.8 ± 0.6 | 1.43 |
| 550 | 65 | 800 | 0.4 ± 0.1 | $2.7 \pm 0.8 \pm 0.6$ | 4 | +0.7 | 6.1 ± 0.3 | 1.71 |
| 600 | 65 | 850 | 0.2 ± 0.1 | $1.8 \pm 0.6 \pm 0.4$ | 3 | +0.9 | 3.6 ± 0.2 | 1.85 |
| 650 | 65 | 850 | 0.2 ± 0.1 | $1.8 \pm 0.6 \pm 0.4$ | 3 | +0.9 | 2.2 ± 0.1 | 1.99 |
| 700 | 85 | 850 | 0.1 ± 0.1 | $1.1 \pm 0.5 \pm 0.3$ | 2 | +0.8 | 1.3 ± 0.1 | 2.02 |
| 750 | 85 | 850 | 0.1 ± 0.1 | $1.1 \pm 0.5 \pm 0.3$ | 2 | +0.8 | 0.8 ± 0.1 | 2.20 |
| 800 | 85 | 850 | 0.1 ± 0.1 | $1.1 \pm 0.5 \pm 0.3$ | 2 | +0.8 | 0.5 ± 0.1 | 2.80 |
| Forward channel: $ \widetilde{\eta} \geq 0.9$ | | | | | | | | |
| 200 | 35 | 410 | 4.2 ± 0.5 | $72 \pm 4 \pm 15$ | 87 | +1.1 | — | — |
| 250 | 35 | 410 | 4.2 ± 0.5 | $72 \pm 4 \pm 15$ | 87 | +1.1 | 50 ± 11 | 0.11 |
| 300 | 50 | 470 | 1.8 ± 0.3 | $20.3 \pm 2.2 \pm 3.9$ | 23 | +0.5 | 33.4 ± 5.2 | 0.21 |
| 350 | 50 | 490 | 1.7 ± 0.3 | $18.2 \pm 2.0 \pm 3.5$ | 19 | +0.2 | 18.5 ± 2.5 | 0.29 |
| 400 | 65 | 680 | 0.7 ± 0.2 | $2.7 \pm 0.7 \pm 0.6$ | 1 | -0.9 | 6.1 ± 1.0 | 0.21 |
| 450 | 65 | 700 | 0.7 ± 0.2 | $2.3 \pm 0.6 \pm 0.4$ | 1 | -0.7 | 3.8 ± 0.5 | 0.28 |
| 500 | 65 | 770 | 0.5 ± 0.1 | $1.2 \pm 0.4 \pm 0.2$ | 1 | 0.0 | 1.6 ± 0.2 | 0.24 |
| 550 | 65 | 800 | 0.4 ± 0.1 | $0.9 \pm 0.4 \pm 0.2$ | 1 | +0.3 | 1.2 ± 0.2 | 0.32 |
| 600 | 65 | 850 | 0.3 ± 0.1 | $0.6 \pm 0.3 \pm 0.1$ | 1 | +0.6 | 0.6 ± 0.1 | 0.29 |
| 650 | 65 | 850 | 0.3 ± 0.1 | $0.6 \pm 0.3 \pm 0.1$ | 1 | +0.6 | 0.3 ± 0.1 | 0.26 |
| 700 | 85 | 850 | 0.1 ± 0.1 | $0.4 \pm 0.2 \pm 0.1$ | 0 | -0.4 | 0.2 ± 0.1 | 0.28 |
| 750 | 85 | 850 | 0.1 ± 0.1 | $0.4 \pm 0.2 \pm 0.1$ | 0 | -0.4 | 0.1 ± 0.1 | 0.35 |
| 800 | 85 | 850 | 0.1 ± 0.1 | $0.4 \pm 0.2 \pm 0.1$ | 0 | -0.4 | 0.1 ± 0.1 | 0.36 |