

Process	$p_T^\tau < 60 \text{ GeV}$	$60 < p_T^\tau < 120 \text{ GeV}$	$120 < p_T^\tau < 200 \text{ GeV}$	$p_T^\tau > 200 \text{ GeV}$	ϵ_{LQ_3} (%)
					OS SS
LQ ₃ (200 GeV)	$21 \pm 12^{+7}_{-2}$	$0.0 \pm 0.1 \pm 0.0$	$0.0 \pm 0.1 \pm 0.1$	$0.0 \pm 0.1 \pm 0.1$	0.01 0
LQ ₃ (250 GeV)	$31.0 \pm 8.2^{+6.6}_{-3.4}$	$13.1 \pm 5.5^{+1.1}_{-2.9}$	$0.0 \pm 0.1 \pm 0.1$	$0.0 \pm 0.1 \pm 0.1$	0.09 0.02
LQ ₃ (300 GeV)	$33.1 \pm 5.3^{+2.8}_{-3.8}$	$24.6 \pm 4.6^{+2.8}_{-2.1}$	$7.6 \pm 2.6^{+1.1}_{-1.7}$	$3.9 \pm 1.8^{+0.9}_{-0.3}$	0.35 0.08
LQ ₃ (350 GeV)	$18.1 \pm 2.6^{+1.8}_{-1.4}$	$13.3 \pm 2.2^{+1.0}_{-1.1}$	$7.2 \pm 1.6^{+0.8}_{-0.7}$	$2.9 \pm 0.9^{+0.5}_{-1.4}$	0.57 0.08
LQ ₃ (400 GeV)	$13.9 \pm 1.4^{+1.1}_{-2.6}$	$13.4 \pm 1.4^{+1.0}_{-1.1}$	$7.8 \pm 1.1^{+0.8}_{-0.6}$	$4.1 \pm 0.8^{+0.6}_{-0.8}$	1.30 0.12
LQ ₃ (450 GeV)	$10.1 \pm 0.9^{+0.8}_{-1.9}$	$8.6 \pm 0.8^{+0.8}_{-0.8}$	$7.1 \pm 0.7^{+0.5}_{-0.6}$	$5.8 \pm 0.6^{+0.7}_{-0.6}$	2.05 0.27
LQ ₃ (500 GeV)	$5.2 \pm 0.4^{+0.5}_{-0.9}$	$6.0 \pm 0.5 \pm 0.5$	$5.3 \pm 0.4^{+0.4}_{-0.5}$	$4.4 \pm 0.4^{+0.7}_{-0.5}$	2.75 0.27
LQ ₃ (550 GeV)	$3.2 \pm 0.3^{+0.3}_{-0.6}$	$4.4 \pm 0.3^{+0.4}_{-0.3}$	$4.3 \pm 0.3^{+0.5}_{-0.4}$	$4.0 \pm 0.3 \pm 0.4$	4.04 0.36
LQ ₃ (600 GeV)	$2.0 \pm 0.1^{+0.2}_{-0.5}$	$2.7 \pm 0.2 \pm 0.2$	$2.7 \pm 0.2 \pm 0.2$	$3.5 \pm 0.2 \pm 0.4$	5.11 0.43
LQ ₃ (650 GeV)	$1.3 \pm 0.1^{+0.1}_{-0.3}$	$1.8 \pm 0.1^{+0.1}_{-0.2}$	$2.0 \pm 0.1 \pm 0.2$	$2.5 \pm 0.1^{+0.3}_{-0.2}$	6.07 0.67
LQ ₃ (700 GeV)	$0.7 \pm 0.1 \pm 0.1$	$1.1 \pm 0.1 \pm 0.1$	$1.1 \pm 0.1 \pm 0.1$	$1.6 \pm 0.1^{+0.2}_{-0.1}$	6.66 0.57
LQ ₃ (750 GeV)	$0.4 \pm 0.1 \pm 0.1$	$0.5 \pm 0.1 \pm 0.1$	$0.7 \pm 0.1 \pm 0.1$	$1.1 \pm 0.1 \pm 0.1$	6.71 0.59
LQ ₃ (800 GeV)	$0.2 \pm 0.1 \pm 0.1$	$0.4 \pm 0.1 \pm 0.1$	$0.5 \pm 0.1 \pm 0.1$	$0.8 \pm 0.1 \pm 0.1$	7.77 0.61
t̄t+jets	$29.9 \pm 2.9^{+7.3}_{-7.2}$	$8.8 \pm 1.3^{+3.2}_{-3.4}$	$1.7 \pm 0.6^{+0.6}_{-0.6}$	$0.4 \pm 0.3^{+0.9}_{-0.4}$	
W+jets	$7.4 \pm 1.7^{+5.1}_{-5.1}$	$0.6 \pm 0.5 \pm 0.6$	$0.0 \pm 0.1 \pm 0.1$	$0.4 \pm 0.4 \pm 0.4$	
DY+jets	$4.8 \pm 0.7 \pm 2.5$	$1.8 \pm 0.4^{+1.1}_{-0.9}$	$0.5 \pm 0.2 \pm 0.3$	$0.4 \pm 0.2 \pm 0.2$	
Other backgrounds	$3.1 \pm 0.9^{+1.8}_{-1.9}$	$0.2 \pm 0.1^{+0.8}_{-0.3}$	$0.2 \pm 0.1 \pm 0.4$	$0.1 \pm 0.1^{+0.1}_{-0.2}$	
Total $N_{\text{Bkg}}^{\text{Exp}}$	$45.2 \pm 3.5^{+9.4}_{-9.3}$	$11.5 \pm 1.4^{+3.4}_{-3.6}$	$2.5 \pm 0.6 \pm 0.8$	$1.2 \pm 0.5^{+1.0}_{-0.6}$	
N^{Obs}	44	15	1	0	
Z-score	-0.1	+0.7	+0.8	-1.0	