Efficiency LQ $_{500 {\rm GeV}}$ sample: τ from prompt decay 0.04 0.035 passed events total events 0.03 0.025 0.02 0.015 0.01 0.005 0 -0.0050.4 efficiency 0.2 0 -0.2 450 50 100 150 200 250 300 350 400 500 $p_{-}^{\tau, \text{ truth}}$

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