

# 1 Supplementary material for LHCb-PAPER-2019-046

2 Figure 1 shows the reconstructed photon transverse momentum.

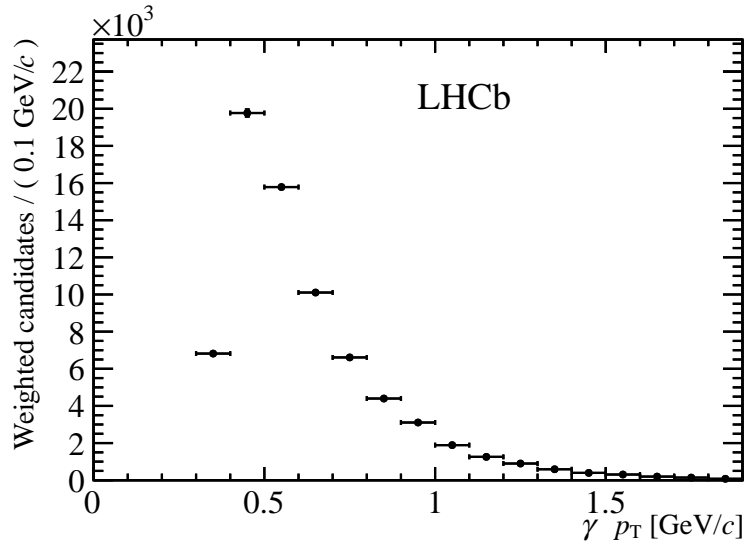


Figure 1: Distribution of the reconstructed photon  $p_T$ .

3 Figure 2 shows the migration matrix between  $w$  and  $w_{\text{true}}$ .

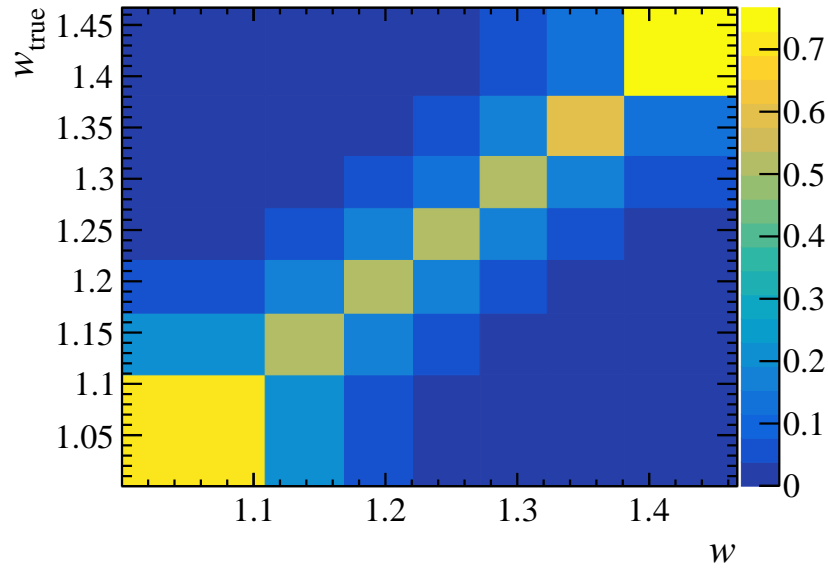


Figure 2: Migration matrix of  $w$  and  $w_{\text{true}}$ .

4 Figure 3 shows the resolution of the  $w$  variable.

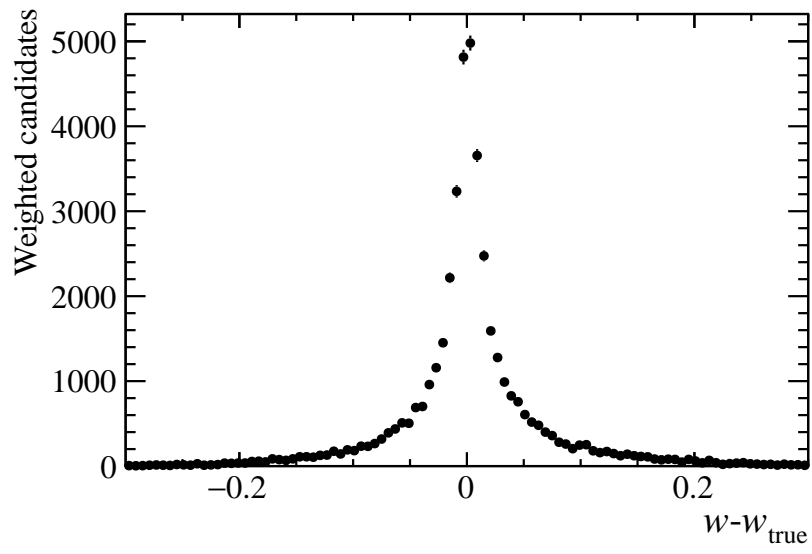


Figure 3: Resolution on the  $w$  variable.