

$\sqrt{s} = 13 \text{ TeV}, L = 4 \text{ fb}^{-1}$

Events

● Data

■ Smeared QCD MC

■ Non-SR QCD bkg

■ With orig. QCD MC

— T2fbd(400, 350)

.....  $\Delta\phi > 0.5$

$(E_T + j_{123}) < 300, N_b \geq 1, N_{b_1} \geq 2, 500 \leq p_T(j_Q)$

$M_T(b_{1,2}, E_T) < 100, 100 \leq p_T(b_1) + p_T(b_2) < 160$

0.2

0.15

0.05

0

0

1

2

3

$\min(\Delta\phi(j_{1,2,3}, E_T))$