

Source	Value [%]
Selection efficiency	0.4 – 0.5
Trigger efficiency	3.0
MN efficiency	0.3
Track finding efficiency	1.7
Weighting $B_{(s)}^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$	3.6
Weighting $B^+ \rightarrow J/\psi (\rightarrow \mu^+ \mu^-) K^+$	2.3
PID binning $B^+ \rightarrow J/\psi (\rightarrow \mu^+ \mu^-) K^+$	1.0
PID binning $B_{(s)}^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$	0.5
Kinematic coverage of PID calibration data	3.0
$\pm 40 \text{ MeV}/c^2$ search region efficiency	0.5
Soft photon radiation $B_{(s)}^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$	0.9
Soft photon radiation $B^+ \rightarrow J/\psi (\rightarrow \mu^+ \mu^-) K^+$	0.5
Track segments mismatching	0.6
Normalisation fit	0.3
$f_u/f_s$	5.8
$\mathcal{B} ( B^+ \rightarrow J/\psi K^+ )$	3.0
$\mathcal{B} ( J/\psi \rightarrow \mu^+ \mu^- )$	0.1
Combined $\eta_s$ SM	9.2
Combined $\eta_d$ SM	7.2
Combined $\eta_s$ MSSM	9.2
Combined $\eta_d$ MSSM	7.2