

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 η_s SM	9.2
Combined η_d SM	7.2
Combined η_s MSSM	9.2
Combined η_d MSSM	7.2