

Sources	$\mathcal{R}_{\pi/K}$ (7 TeV ) [%]	$\mathcal{R}_{\pi/K}$ (8 TeV ) [%]	$\Delta\mathcal{A}^{CP}$ (7 TeV ) [ $\times 10^{-2}$ ]	$\Delta\mathcal{A}^{CP}$ (8 TeV ) [ $\times 10^{-2}$ ]
Signal model	0.39	0.25	0.03	–
Mis-ID background	0.44	0.38	0.01	0.02
$B^\pm$ parameters	0.04	0.02	0.04	0.05
Comb. background	0.52	0.20	0.04	0.01
Part. reco. background	0.20	0.33	0.04	0.01
PID efficiency	0.39	0.46	0.06	0.01
BDT efficiency	0.01	0.02	–	–
Trigger efficiency	0.33	0.38	–	–
Detection asymmetry	–	–	0.12	0.12
$B^\pm$ prod. asymmetry	–	–	0.02	0.04
$K/\pi$ interaction	0.03	0.03	–	–
Total	1.01	0.83	0.15	0.14