

Type	Observable	Current precision	LHCb 2018 (8 fb ⁻¹)	Upgrade (50 fb ⁻¹)	Theory uncertainty
B_s^0 mixing	$2\beta_s(B_s^0 \rightarrow J/\psi \phi)$	0.10	0.025	0.008	~ 0.003
	$2\beta_s(B_s^0 \rightarrow J/\psi f_0(980))$	0.17	0.045	0.014	~ 0.01
Higgs penguins	$\mathcal{B}(B_s^0 \rightarrow \mu^+ \mu^-)$	1.5×10^{-9}	0.5×10^{-9}	0.15×10^{-9}	0.3×10^{-9}
Gluonic penguins	$2\beta_s^{\text{eff}}(B_s^0 \rightarrow \phi \phi)$	–	0.17	0.03	0.02
Unitarity triangle angles	$\gamma(B \rightarrow D^{(*)} K^{(*)})$	$\sim 10\text{--}12^\circ$	4°	0.9°	negligible
	$\gamma(B_s^0 \rightarrow D_s K)$	–	11°	2.0°	negligible
	$\beta(B^0 \rightarrow J/\psi K_S^0)$	0.8°	0.6°	0.2°	negligible