

Observable	Measurement	Source	SM prediction	References
B_s^0 system				
Δm_s (ps^{-1})	17.719 ± 0.043 $17.725 \pm 0.041 \pm 0.026$	HFAG 2012 [?] LHCb (0.34 fb^{-1}) [?]	17.3 ± 2.6	[?, ?, ?]
$\Delta \Gamma_s$ (ps^{-1})	0.105 ± 0.015 $0.116 \pm 0.018 \pm 0.006$	HFAG 2012 [?] LHCb (1.0 fb^{-1}) [?]	0.087 ± 0.021	[?, ?, ?]
ϕ_s (rad)	$-0.044^{+0.090}_{-0.085}$ $-0.002 \pm 0.083 \pm 0.027$	HFAG 2012 [?] LHCb (1.0 fb^{-1}) [?]	-0.036 ± 0.002	[?, ?, ?]
a_{sl}^s (10^{-4})	$-17 \pm 91^{+14}_{-15}$ -105 ± 64	D0 (no A_{SL}^b) [?] HFAG 2012 (including A_{SL}^b) [?]	$0.29^{+0.09}_{-0.08}$	[?, ?, ?]
Admixture of B^0 and B_s^0 systems				
A_{SL}^b (10^{-4})	$-78.7 \pm 17.1 \pm 9.3$	D0 [?]	-2.0 ± 0.3	[?, ?, ?]
B^0 system				
Δm_d (ps^{-1})	0.507 ± 0.004	HFAG 2012 [?]	0.543 ± 0.091	[?, ?, ?]
$\Delta \Gamma_d / \Gamma_d$	0.015 ± 0.018	HFAG 2012 [?]	0.0042 ± 0.0008	[?, ?, ?]
$\sin 2\beta$	0.679 ± 0.020	HFAG 2012 [?]	$0.832^{+0.013}_{-0.033}$	[?, ?, ?]
a_{sl}^d (10^{-4})	-5 ± 56	HFAG 2012 [?]	$-6.5^{+1.9}_{-1.7}$	[?, ?, ?]