$$\sin(2\beta^{\text{eff}}) \equiv \sin(2\phi_1^{\text{eff}})$$

HFAG
CKM 2012
PRELIMINARY

b→ccs	World Average HFAG (Moriond 2012)	0.68 ± 0.02
J/ψ π⁰	BaBar PRL 101 (2008) 021801	1.23 ± 0.21 ± 0.04
	Belle PRD 77 (2008) 071101(R)	0.65 ± 0.21 ± 0.05
	Average HFAG correlated average	0.93 ± 0.15
D⁺ D⁻	BaBar PRD 79, 032002 (2009)	0.63 ± 0.36 ± 0.05
	Belle PRD 85 (2012) 091106	1.06 +0.14 −0.21 ± 0.08
	Average HFAG correlated average	0.98 ± 0.17
D*⁺ D*⁻	BaBar PRD 79, 032002 (2009)	0.70 ± 0.16 ± 0.03
	BaBar part. rec. PRD 86 (2012) 112006	0.49 ± 0.18 ± 0.07 ± 0.04
	Belle PRD 86 (2012) 071103(R)	0.79 ± 0.13 ± 0.03
	Average HFAG correlated average	0.71 ± 0.09