

Parameter	Solution I	Solution II
ϕ_s (rad)	0.167 ± 0.175	2.975 ± 0.175
$\Delta\Gamma$ (ps^{-1})	0.120 ± 0.028	-0.120 ± 0.028
$F_{S;1}$	0.283 ± 0.113	0.283 ± 0.113
$F_{S;2}$	0.061 ± 0.022	0.061 ± 0.022
$F_{S;3}$	0.044 ± 0.022	0.044 ± 0.022
$F_{S;4}$	0.269 ± 0.067	0.269 ± 0.067
$\delta_{S\perp;1}$ (rad)	$2.68^{+0.35}_{-0.42}$	$0.46^{+0.42}_{-0.35}$
$\delta_{S\perp;2}$ (rad)	$0.22^{+0.15}_{-0.13}$	$2.92^{+0.13}_{-0.15}$
$\delta_{S\perp;3}$ (rad)	$-0.11^{+0.16}_{-0.18}$	$3.25^{+0.18}_{-0.16}$
$\delta_{S\perp;4}$ (rad)	$-0.97^{+0.28}_{-0.43}$	$4.11^{+0.43}_{-0.28}$