

Source	σ_{λ_θ} [10^{-3}]	$\sigma_{\lambda_{\theta\phi}}$ [10^{-3}]	σ_{λ_ϕ} [10^{-3}]	$\sigma_{\bar{\lambda}}$
$\Upsilon(1S)$				
Dimuon mass fit	1.0 – 12	0.2 – 10	0.1 – 7	1.8
Efficiency calculation				
muon identification	0.2 – 10	0.1 – 7	0.1 – 6	0.2
correction factors for $\varepsilon^{\mu^+\mu^-}$	0.7 – 12	0.4 – 5	0.1 – 4	2.1
trigger	0.1 – 18	0.1 – 8	0.1 – 5	0.5
Finite size of simulated samples	6.0 – 82	1.3 – 29	0.9 – 35	6.9
$\Upsilon(2S)$				
Dimuon mass fit	0.6 – 37	0.2 – 19	0.3 – 16	4.6
Efficiency calculation				
muon identification	0.2 – 11	0.1 – 6	0.1 – 5	0.2
correction factors for $\varepsilon^{\mu^+\mu^-}$	0.7 – 12	0.3 – 5	0.1 – 5	2.1
trigger	0.1 – 17	0.1 – 7	0.1 – 5	0.5
Finite size of simulated samples	9.8 – 210	2.5 – 98	1.5 – 120	14
$\Upsilon(3S)$				
Dimuon mass fit model	1.4 – 72	0.2 – 24	0.5 – 21	7.2
Efficiency calculation				
muon identification	0.2 – 12	0.1 – 7	0.1 – 5	0.5
correction factors for $\varepsilon^{\mu^+\mu^-}$	0.6 – 14	0.3 – 6	0.1 – 5	2.1
trigger	0.2 – 17	0.1 – 8	0.1 – 4	0.5
Finite size of simulated samples	12 – 280	3.5 – 100	2.1 – 110	16