

Category	Parameters	Signal region	Sideband	Control region
$\mu\mu$ resonances	$\mu, \sigma, \Gamma$	Constrained (three regions)		
$\mu\mu$ continuum	$\lambda_{\mu\mu}^i$	Tight-to-loose	Free	Free
$\mu\mu\tau_\mu\tau_h$	$\text{Erf}_a, \text{Erf}_b, \lambda_{\mu\mu\tau\tau}^i$	Tight-to-loose	Free	—
Normalizations	$N_{\psi(2S)} / N_{J/\psi}$	Tight-to-loose	Constrained (two regions)	
	$N_{Y(2S)} / N_{Y(1S)}$	Tight-to-loose	Constrained (two regions)	
	$N_{Y(3S)} / N_{Y(1S)}$	Tight-to-loose	Constrained (two regions)	
	$N_{Y(1S)} / N_{J/\psi}$	Tight-to-loose	Free	Free
	$N_{J/\psi} / N_{\text{continuum}}$	Tight-to-loose	Free	Free