

Source of systematic uncertainty	Relative uncertainty (%)
Simulation sample size	1.8
Fit model	1.5
$K^*(892)^0$ background	0.3
Data/simulation agreement	0.4
Sum in quadrature of above	2.4
$\mathcal{B}(\chi_{c1} \rightarrow J/\psi \gamma)$	3.5
$\mathcal{B}(\chi_{c2} \rightarrow J/\psi \gamma)$	3.6
Sum in quadrature of external uncertainties	5.0