

Source	$\frac{\mathcal{B}(\mathcal{B}'_f \rightarrow \chi_{\perp\infty} \phi)}{\mathcal{B}(\mathcal{B}'_f \rightarrow \mathcal{J}/\psi \phi)}$	$\frac{\mathcal{B}(\mathcal{B}' \rightarrow \chi_{\perp\infty} \mathcal{K}^{*'})}{\mathcal{B}(\mathcal{B}' \rightarrow \mathcal{J}/\psi \mathcal{K}^{*'})}$	$\frac{\mathcal{B}(\mathcal{B}' \rightarrow \chi_{\perp\in} \mathcal{K}^{*'})}{\mathcal{B}(\mathcal{B}' \rightarrow \chi_{\perp\infty} \mathcal{K}^{*'})}$
Signal determination	5	3	9
Efficiencies from simulation	3	3	3
Photon reconstruction	4	4	—
Trigger	1	1	1
Sum in quadrature	7	6	10