

Systematic Uncertainty of Branching Fraction

List of Systematical Errors for Each Decay Mode [%]

Source:w	$B^+ \rightarrow X_{cc}K^+ \rightarrow p\bar{p}K^+$							
	$\eta_c(1S)$	J/ ψ	$\chi_{c0}(1P)$	$\eta_c(2S)$	$\Psi(2S)$	$\Psi(3770)$	X(3872)	X(3915)
Tracking		1.05						
Proton PID		0.82						
KID (K/ π)		0.89						
K ⁰ _S reconstruction		-						
Likelihood Ratio cut		0.90						
MC statistical error		0.18						
Fixed Parameters		0.45						
Background PDF		0.46						
Number of BB pairs		1.37						
Total [%]		2.39						
X _{cc}	Yield		Eff.(%)		Significance (σ)		Product BF (10 ⁻⁶)	
J/ ψ (1S)	537 ± 25		31.55		35.25		2.21 ± 0.10 ± 0.05	