

Variable	Selection		
	B^+	B^0	B_s^0
General track selection			
Track p_T			$>1\text{ GeV}$
Track $ \eta $			>2.4
$\Delta z(\text{track}, \mu_{\text{trig}})$			$<0.5\text{ cm}$
Track IP _{sig}			> 1
D candidate selection			
D candidate leading-track p_T			$>1.5\text{ GeV}$
TV fit probability			> 0.01
$S_{xy,\text{TV}}$			> 5
D candidate mass window	$\pm 20\text{ MeV}$	$\pm 20\text{ MeV}$	$\pm 15\text{ MeV}$
$ M(K^+K^-) - m(\phi) $	—	—	$<10\text{ MeV}$
B candidate selection			
p_T of the remaining B candidate track			$>1.5\text{ GeV}$
$S_{xy,\text{SV}}$			>7
$\cos \alpha_B$			>0.999