

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	
$S_{xy,TV}$		>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		$>1.5\text{ GeV}$	
$S_{xy,SV}$		>7	
$\cos \alpha_B$		>0.999	