

Variable	Requirement
$p_T$ of tagging pion from $D^{*\pm} \rightarrow D\pi^\pm$	$> 0.35 \text{ GeV}$
$\eta$ of tagging pion from $D^{*\pm} \rightarrow D\pi^\pm$	$-1.2 < \eta < 1.2$
$p_T(K_S^0)$	$> 2.2 \text{ GeV}$ and $> 1.0 \text{ GeV}$
$P_{vtx}(D\pi^\pm)$	$> 5\%$
$P_{vtx}(K_S^0 K_S^0)$	$> 1\%$
$P_{vtx}(\pi^+ \pi^-)$ for $K_S^0 \rightarrow \pi^+ \pi^-$	$> 1\%$
$D^0$ vertex displacement from the PV in $xy$	$> 2 \text{ s.d.}$
$D^0$ vertex displacement from the PV in $xyz$	$> 9 \text{ s.d.}$
$K_S^0$ vertex displacement from the $D^0$ vertex in $xyz$	$> 9 \text{ s.d.}$ and $> 7 \text{ s.d.}$
angle between $D^0$ momentum and displacement from PV in $xyz$	$< 0.205 \text{ rad}$
angle between $D^0$ momentum and displacement from PV in $xy$	$< 0.237 \text{ rad}$
angle between $D^0$ momentum and displacement from BX in $xy$	$< 0.237 \text{ rad}$