

Variable	Requirement
$p_T$ of $\tau$ decay product	$> 250 \text{ MeV}/c$
$[z(3\pi) - z(\text{PV})]/\text{error}$	$> 10$
radial distance $3\pi$ system	$[0.2, 5.0] \text{ mm}$
$m(3\pi)$	$< 1600 \text{ MeV}/c^2$
$p$ of $D^0$ decay product	$> 2 \text{ GeV}/c$
$p_T$ of $D^0$ decay product	$> 250 \text{ MeV}/c$
$m(K\pi)$	$[1840, 1890] \text{ MeV}/c^2$
$p_T$ of the $D^0$ meson	$> 1.2 \text{ GeV}/c$
$p_T$ of the slow pion	$> 110 \text{ MeV}/c$
$\Delta m = m(K\pi\pi) - m(K\pi)$	$[143, 148] \text{ MeV}/c^2$
$m(D^*3\pi)$	$< 5100 \text{ MeV}/c^2$
$\text{PV}(K\pi)$	$= \text{PV}(3\pi)$