

Mode	BDT	Downstream		Long	
		Yield	Efficiency (%)	Yield	Efficiency (%)
$B^0 \rightarrow K_S^0 \pi^+ \pi^-$	Loose	$845 \pm 38$	$0.0336 \pm 0.0010$	$360 \pm 21$	$0.0117 \pm 0.0009$
$B^0 \rightarrow K_S^0 K^+ K^-$	Loose	$256 \pm 20$	$0.0278 \pm 0.0008$	$175 \pm 15$	$0.0092 \pm 0.0016$
$B_s^0 \rightarrow K_S^0 K^\pm \pi^\mp$	Loose	$283 \pm 24$	$0.0316 \pm 0.0007$	$152 \pm 15$	$0.0103 \pm 0.0008$
$B^0 \rightarrow K_S^0 K^\pm \pi^\mp$	Tight	$92 \pm 15$	$0.0283 \pm 0.0009$	$52 \pm 11$	$0.0133 \pm 0.0005$
$B_s^0 \rightarrow K_S^0 \pi^+ \pi^-$	Tight	$28 \pm 9$	$0.0153 \pm 0.0013$	$25 \pm 6$	$0.0109 \pm 0.0006$
$B_s^0 \rightarrow K_S^0 K^+ K^-$	Tight	$6 \pm 4$	$0.0150 \pm 0.0021$	$3 \pm 3$	$0.0076 \pm 0.0016$