

Final state	p-val. [%]	Res.	Mass [ MeV]	Width [ MeV]	Yield
$K_S^0 K^+ K^- \pi^+$	16.3	$\eta_c$	$2984.84 \pm 0.23 \pm 1.01$	$30.0 \pm 0.7 \pm 0.2$	$17700 \pm 190$
		$J/\psi$	$-0.27 \pm 0.11 \pm 0.61$	0.0929 (fixed)	$3386 \pm 70$
$K_S^0 K^+ K^+ \pi^-$	1.5	$\eta_c$	$2985.19 \pm 0.24 \pm 1.88$	$29.4 \pm 0.8 \pm 0.8$	$17210 \pm 210$
		$J/\psi$	$-0.81 \pm 0.11 \pm 0.67$		$3310 \pm 80$
Average		$\eta_c$	$2985.01 \pm 0.17 \pm 0.89$	$29.7 \pm 0.5 \pm 0.2$	
		$J/\psi$	$-0.54 \pm 0.08 \pm 0.45$		
$K_S^0 K^+ K^- \pi^+$	46.6	$\eta_c(2S)$	$3636.92 \pm 0.71 \pm 1.50$	$11.70 \pm 2.04 \pm 1.39$	$1960 \pm 80$
		$\chi_{c1}$	$3509.32 \pm 0.70 \pm 0.84$	0.88 (fixed)	$1300 \pm 50$
$K_S^0 K^+ K^+ \pi^-$	5.3	$\eta_c(2S)$	$3639.28 \pm 0.84 \pm 3.83$	$9.18 \pm 2.67 \pm 1.70$	$1720 \pm 100$
		$\chi_{c1}$	$3510.35 \pm 0.69 \pm 1.00$		$1460 \pm 70$
Average		$\eta_c(2S)$	$3637.90 \pm 0.54 \pm 1.40$	$10.77 \pm 1.62 \pm 1.08$	
		$\chi_{c1}$	$3509.84 \pm 0.69 \pm 0.64$		