

Table 1: Measurements of masses and widths for excited  $D_s$  mesons. The column  $J^P$  lists the most significant assignment of spin and parity. If possible, an average mass or width is calculated.

Resonance	$J^P$	Decay mode	Mass [MeV/ $c^2$ ]	Width [MeV]	Measured by	Reference
$D_{s0}^*(2317)^\pm$	$0^+$	$D_s^+\pi^0$	$2319.6\pm 0.2\pm 1.4$		BABAR	[1]
		$D_s^+\pi^0$	$2317.3\pm 0.4\pm 0.8$		BABAR	[2]
		$D_s^+\pi^0$	$2318.3\pm 1.2\pm 1.2$		BESIII	[3]
			$2318.0\pm 0.7$	$nan\pm nan$		Our average
$D_{s1}(2460)^\pm$	$1^+$	$D_s^{*+}\pi^0, D_s^+\pi^0\Gamma, D_s^+\Gamma, D_s^+\pi^+\pi^-$	$2460.1\pm 0.2\pm 0.8$		BABAR	[1]
		$D_s^+\pi^0\Gamma$	$2458\pm 1\pm 1$		BABAR	[2]
			$2459.6\pm 0.7$	$nan\pm nan$		Our average
$D_{s1}(2536)^\pm$	$1^+$		$2537.7\pm 0.5\pm 3.1$	$1.7\pm 1.2\pm 0.6$	BESIII	[4]
		$D^{*+}K_S^0$		$0.92\pm 0.03\pm 0.04$	BABAR	[5]
		$D^{*+}K_S^0$	$2535.7\pm 0.6\pm 0.5$		DØ	[6]
		$D^{*+}K_S^0, D^{*0}K^+$	$2534.78\pm 0.31\pm 0.4$		BABAR	[7]
		$D_s^+\pi^+\pi^-$	$2534.6\pm 0.3\pm 0.7$		BABAR	[1]
		$D^{*+}K_S^0, D^{*0}K^+$	$2535.0\pm 0.6\pm 1.0$		E687	[8]
		$D^{*0}K^+$	$2535.3\pm 0.2\pm 0.5$		CLEO	[9]
		$D^{*+}K_S^0$	$2534.8\pm 0.6\pm 0.6$		CLEO	[9]
		$D^{*0}K^+$	$2535.2\pm 0.5\pm 1.5$		ARGUS	[10]
		$D^{*+}K_S^0$	$2535.6\pm 0.7\pm 0.4$		CLEO	[11]
		$D^{*+}K_S^0$	$2535.9\pm 0.6\pm 2.0$		ARGUS	[12]
				$2535.1\pm 0.3$	$0.9\pm 0.0$	
$D_{s2}^*(2573)^\pm$	$2^+$		$2570.7\pm 2.0\pm 1.7$	$17.2\pm 3.6\pm 1.1$	BESIII	[4]
		$D^0K^+, D^{*+}K_S^0$	$2568.39\pm 0.29\pm 0.26$	$16.9\pm 0.5\pm 0.6$	LHCb	[13]
		$D^+K_S^0, D^0K^+$	$2569.4\pm 1.6\pm 0.5$	$12.1\pm 4.5\pm 1.6$	LHCb	[14]
		$D^+K_S^0, D^0K^+$	$2572.2\pm 0.3\pm 1.0$	$27.1\pm 0.6\pm 5.6$	BABAR	[15]
		$D^0K^+$	$2574.25\pm 3.3\pm 1.6$	$10.4\pm 8.3\pm 3.0$	ARGUS	[16]
		$D^0K^+$	$2573.2^{+1.7}_{-1.6}\pm 0.9$	$16^{+5}_{-4}\pm 3$	CLEO	[17]
		$2569.1\pm 0.3$	$16.9\pm 0.7$		Our average	
$D_{s1}^*(2700)^\pm$	$1^-$	$D^{*+}K_S^0, D^{*0}K^+$	$2732.3\pm 4.3\pm 5.8$	$136\pm 19\pm 24$	LHCb	[18]
		$D^0K^+$	$2699^{+14}_{-7}$	$127^{+24}_{-19}$	BABAR	[19]
		$D^{*+}K_S^0, D^{*0}K^+$	$2709.2\pm 1.9\pm 4.5$	$115.8\pm 7.3\pm 12.1$	LHCb	[20]
		$DK, D^*K$	$2710\pm 2^{+12}_{-7}$	$149\pm 7^{+39}_{-52}$	BABAR	[21]
		$D^0K^+$	$2708\pm 9^{+11}_{-10}$	$108\pm 2^{+36}_{-31}$	Belle	[22]
		$2713.0\pm 3.5$	$120.9\pm 10.3$		Our average	
$D_{s1}^*(2860)^\pm$	$1$	$D^0K^+$	$2859\pm 12\pm 24$	$159\pm 23\pm 77$	LHCb	[23]
$D_{s3}^*(2860)^\pm$	$3^-$	$D^{*+}K_S^0, D^{*0}K^+$	$2867.1\pm 4.3\pm 1.9$	$50\pm 11\pm 13$	LHCb	[18]
		$D^0K^+$	$2860.5\pm 2.6\pm 6.5$	$53\pm 7\pm 7$	LHCb	[23]
			$2865.0\pm 3.9$	$52.2\pm 8.6$		Our average
$D_{sJ}(3040)^\pm$	Unnatural	$D^*K$	$3044\pm 8^{+30}_{-5}$	$239\pm 35^{+46}_{-42}$	BABAR ( $m$ & $\Gamma$ ) + LHCb( $J^P$ )	[21]

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