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^+	$D_s^+\pi^0$	$2319.6\pm0.2\pm1.4$		*BABAR*	[1]
		$D_s^+\pi^0$	$2317.3\pm0.4\pm0.8$		*BABAR*	[2]
		$D_s^+\pi^0$	$2318.3\pm1.2\pm1.2$		BESIII	[3]
			2318.0±0.7		Our average	
$D_{s1}(2460)^\pm$	1^+	$D_s^{*+}\pi^0, D_s^+\pi^0\Gamma, D_s^+\Gamma, D_s^+\pi^+\pi^-$	$2460.1\pm0.2\pm0.8$		*BABAR*	[1]
		$D_s^+\pi^0\Gamma$	$2458\pm1\pm1$		*BABAR*	[2]
			2459.6±0.7		Our average	
$D_{s1}(2536)^\pm$	1^+		$2537.7\pm0.5\pm3.1$	$1.7\pm1.2\pm0.6$	BESIII	[4]
		$D^{*+}K_S^0$		$0.92\pm0.03\pm0.04$	*BABAR*	[5]
		$D^{*+}K_S^0$	$2535.7\pm0.6\pm0.5$		DØ	[6]
		$D^{*+}K_S^0, D^{*0}K^+$	$2534.78\pm0.31\pm0.4$		*BABAR*	[7]
		$D_s^+\pi^+\pi^-$	$2534.6\pm0.3\pm0.7$		*BABAR*	[1]
		$D^{*+}K_S^0, D^{*0}K^+$	$2535.0\pm0.6\pm1.0$		E687	[8]
		$D^{*0}K^+$	$2535.3\pm0.2\pm0.5$		CLEO	[9]
		$D^{*+}K_S^0$	$2534.8\pm0.6\pm0.6$		CLEO	[9]
		$D^{*0}K^+$	$2535.2\pm0.5\pm1.5$		ARGUS	[10]
		$D^{*+}K_S^0$	$2535.6\pm0.7\pm0.4$		CLEO	[11]
		$D^{*+}K_S^0$	$2535.9\pm0.6\pm2.0$		ARGUS	[12]
			2535.1±0.3	0.9±0.0	Our average	
$D^*_{s2}(2573)^\pm$	2^+		$2570.7\pm2.0\pm1.7$	$17.2\pm3.6\pm1.1$	BESIII	[4]
		$D^0K^+, D^{*+}K_S^0$	$2568.39\pm0.29\pm0.26$	$16.9\pm0.5\pm0.6$	LHCb	[13]
		$D^+K_S^0, D^0K^+$	$2569.4\pm1.6\pm0.5$	$12.1\pm4.5\pm1.6$	LHCb	[14]
		$D^+K_S^0, D^0K^+$	$2572.2\pm0.3\pm1.0$	$27.1\pm0.6\pm5.6$	*BABAR*	[15]
		D^0K^+	$2574.25\pm3.3\pm1.6$	$10.4\pm8.3\pm3.0$	ARGUS	[16]
		D^0K^+	$2573.2^{+1.7}_{-1.6}\pm0.9$	$16^{+5}_{-4}\pm3$	CLEO	[17]
			2569.1±0.3	16.9±0.7	Our average	
$D_{s0}(2590)^\pm$	0^-	$D^+K^+\pi^-$	$2591\pm6.0\pm7$	$89\pm16\pm12$	LHCb	[18]
$D^*_{s1}(2700)^\pm$	1^-	$D^{*+}K_S^0, D^{*0}K^+$	$2732.3\pm4.3\pm5.8$	$136\pm19\pm24$	LHCb	[19]
		D^0K^+	2699^{+14}_{-7}	127^{+24}_{-19}	*BABAR*	[20]
		$D^{*+}K_S^0, D^{*0}K^+$	$2709.2\pm1.9\pm4.5$	$115.8\pm7.3\pm12.1$	LHCb	[21]
		DK, D^*K	$2710\pm2^{+12}_{-7}$	$149\pm7^{+39}_{-52}$	*BABAR*	[22]
		D^0K^+	$2708\pm9^{+11}_{-10}$	$108\pm2^{+36}_{-31}$	Belle	[23]
			2713.0±3.5	120.9±10.3	Our average	
$D^*_{s1}(2860)^\pm$	1	D^0K^+	$2859\pm12\pm24$	$159\pm23\pm77$	LHCb	[24]
$D^*_{s3}(2860)^\pm$	3^-	$D^{*+}K_S^0, D^{*0}K^+$	$2867.1\pm4.3\pm1.9$	$50\pm11\pm13$	LHCb	[19]
		D^0K^+	$2860.5\pm2.6\pm6.5$	$53\pm7\pm7$	LHCb	[24]
			2865.0±3.9	52.2±8.6	Our average	
$D_{sJ}(3040)^\pm$	Unnatural	D^*K	$3044\pm8^{+30}_{-5}$	$239\pm35^{+46}_{-42}$	*BABAR* (m & Γ) + LHCb(J^P	[22]

References

[1] *BABAR* collaboration, B. Aubert *et al.*, Phys. Rev. **D74**, 032007 (2006), arXiv:hep-ex/0604030 [hep-ex].

[2] *BABAR* collaboration, B. Aubert *et al.*, Phys. Rev. **D69**, 031101 (2004), arXiv:hep-ex/0310050 [hep-ex].

[3] BESIII collaboration, M. Ablikim *et al.*, Phys. Rev. **D97**, 051103 (2018), arXiv:1711.08293 [hep-ex].

[4] BESIII collaboration, M. Ablikim *et al.*, arXiv:1812.09800 [hep-ex].

[5] *BABAR* collaboration, J. P. Lees *et al.*, Phys. Rev. **D83**, 072003 (2011), arXiv:1103.2675 [hep-ex].

[6] D0 collaboration, V. M. Abazov *et al.*, Phys. Rev. Lett. **102**, 051801 (2009), arXiv:0712.3789 [hep-ex].

[7] *BABAR* collaboration, B. Aubert *et al.*, Phys. Rev. **D77**, 011102 (2008), arXiv:0708.1565 [hep-ex].

[8] Fermilab E687 collaboration, P. L. Frabetti *et al.*, Phys. Rev. Lett. **72**, 324 (1994).

[9] CLEO collaboration, J. P. Alexander *et al.*, Phys. Lett. **B303**, 377 (1993).

[10] ARGUS collaboration, H. Albrecht *et al.*, Phys. Lett. **B297**, 425 (1992).

[11] CLEO collaboration, P. Avery *et al.*, Phys. Rev. **D41**, 774 (1990).

[12] ARGUS collaboration, H. Albrecht *et al.*, Phys. Lett. **B230**, 162 (1989).

[13] LHCb collaboration, R. Aaij *et al.*, Phys. Rev. **D90**, 072003 (2014), arXiv:1407.7712 [hep-ex].

[14] LHCb collaboration, R. Aaij *et al.*, Phys. Lett. **B698**, 14 (2011), arXiv:1102.0348 [hep-ex].

[15] *BABAR* collaboration, B. Aubert *et al.*, Phys. Rev. Lett. **97**, 222001 (2006), arXiv:hep-ex/0607082 [hep-ex].

[16] ARGUS collaboration, H. Albrecht *et al.*, Z. Phys. **C69**, 405 (1996).

[17] CLEO collaboration, Y. Kubota *et al.*, Phys. Rev. Lett. **72**, 1972 (1994), arXiv:hep-ph/9403325 [hep-ph].

[18] LHCb collaboration, R. Aaij *et al.*, Phys. Rev. Lett. **126**, no. 12, 122002 (2021), arXiv:2011.09112 [hep-ex].

[19] LHCb collaboration, R. Aaij *et al.*, JHEP **02**, 133 (2016), arXiv:1601.01495 [hep-ex].

[20] *BABAR* collaboration, J. P. Lees *et al.*, Phys. Rev. **D91**, 052002 (2015), arXiv:1412.6751 [hep-ex].

[21] LHCb collaboration, R. Aaij *et al.*, JHEP **10**, 151 (2012), arXiv:1207.6016 [hep-ex].

[22] *BABAR* collaboration, B. Aubert *et al.*, Phys. Rev. **D80**, 092003 (2009), arXiv:0908.0806 [hep-ex].

[23] Belle collaboration, J. Brodzicka *et al.*, Phys. Rev. Lett. **100**, 092001 (2008), arXiv:0707.3491 [hep-ex].

[24] LHCb collaboration, R. Aaij *et al.*, Phys. Rev. Lett. **113**, 162001 (2014), arXiv:1407.7574 [hep-ex].