$D_{s1}^{*}(2700)^{\pm}$

$I(J^P) = 0(1^-)$

OMITTED FROM SUMMARY TABLE

$D_{s1}^{*}(2700)^{+}$ MASS

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
2709^{+9}_{-6} OUR AVERAGE					
$2710 \pm 2^{+12}_{-7}$	10.4k	[1] AUBERT	09AR	BABR	$e^+e^- \to D^{(*)}KX$
$2708 \pm 9^{+11}_{-10}$	182	BRODZICKA	08	BELL	$B^+ \to D^0\overline{D}^0K^+$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
$2688 \pm 4 \pm 3$		[2] AUBERT,BE	06E	BABR	10.6 $e^+e^- \to DKX$

[1] From simultaneous fits to the two DK mass spectra and to the total D^*K mass spectrum.
[2] Superseded by AUBERT 09AR.

$D_{s1}^{*}(2700)^{+}$ WIDTH

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
125 ± 30 OUR AVERAGE					
$149 \pm 7^{+39}_{-52}$	10.4k	[3] AUBERT	09AR	BABR	$e^+e^- \to D^{(*)}KX$
$108 \pm 23^{+36}_{-31}$	182	BRODZICKA	08	BELL	$B^+ \to D^0\overline{D}^0K^+$
• • • We do not use the following data for averages, fits, limits, etc. • • •					
$112 \pm 7 \pm 36$		[4] AUBERT,BE	06E	BABR	10.6 $e^+e^- \to DKX$

[3] From simultaneous fits to the two DK mass spectra and to the total D^*K mass spectrum.
[4] Superseded by AUBERT 09AR.

$D_{s1}^{*}(2700)^{\pm}$ DECAY MODES

	Mode
Γ_1	DK
Γ_2	D^0K^+
Γ_3	$D^+K^0_S$
Γ_4	D^*K
Γ_5	$D^{*0}K^+$
Γ_6	$D^{*+}K^0_S$

$D_{s1}^{*}(2700)^{\pm}$ BRANCHING RATIOS

$\Gamma(D^{*}K)/\Gamma(DK)$ Γ_4/Γ_1

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
0.91±0.13±0.12	10.4k	[5] AUBERT	09AR	BABR	$e^+e^- \to D^{(*)}KX$

[5] From the average of the corresponding ratios with $D^{(*)0}K^+$ and $D^{(*)+}K_S^0$.

$\Gamma(D^{*0}K^+)/\Gamma(D^0K^+)$ Γ_5/Γ_2

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.88±0.14±0.14	7716	[6] AUBERT	09AR	BABR	$e^+e^- \to D^{(*)}KX$

[6] From the $D^{*0}K^+$ and D^0K^+, where $D^{*0} \to D^0\pi^0$.

$\Gamma(D^{*+}K_S^0)/\Gamma(D^+K_S^0)$ Γ_6/Γ_3

VALUE	EVTS	DOCUMENT ID		TECN	COMMENT
• • • We do not use the following data for averages, fits, limits, etc. • • •					
1.14±0.39±0.23	2700	[7] AUBERT	09AR	BABR	$e^+e^- \to D^{(*)}KX$

[7] From the $D^{*+}K_S^0$ and $D^+K_S^0$, where $D^{*+} \to D^+\pi^0$.

$D_{s1}^{*}(2700)^{\pm}$ REFERENCES

AUBERT	09AR	PR D80 092003	B. Aubert *et al.*	(BABAR Collb.)
BRODZICKA	08	PRL 100 092001	J. Brodzicka *et al.*	(BELLE Collab.)
AUBERT,BE	06E	PRL 97 222001	B. Aubert *et al.*	(BABAR Collab.)