

X(4260)

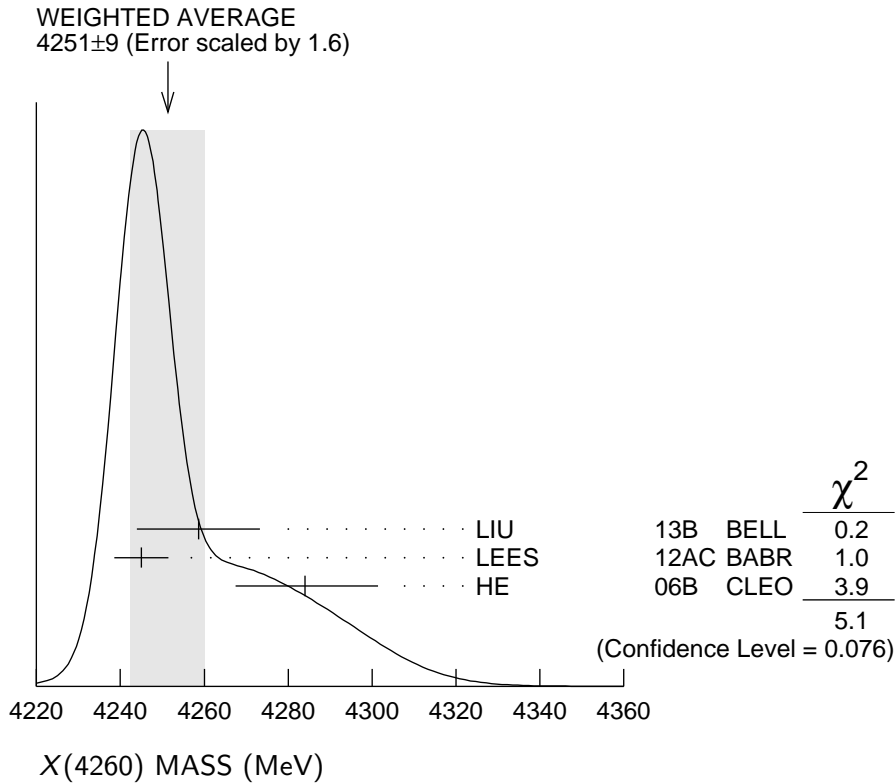
$$I^G(J^{PC}) = ?^?(1^{--})$$

Seen in radiative return from e^+e^- collisions at $\sqrt{s} = 9.54\text{--}10.58$ GeV by AUBERT,B 05I, HE 06B, and YUAN 07, and in e^+e^- collisions at $\sqrt{s} \approx 4.26$ GeV by COAN 06. Possibly seen by AUBERT 06 in $B^- \rightarrow K^- \pi^+ \pi^- J/\psi$. See also the mini-review under the X(3872). (See the index for the page number.)

X(4260) MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
4251 ± 9	OUR AVERAGE	Error includes scale factor of 1.6. See the ideogram below.		
4258.6 ± 8.3 ± 12.1		¹ LIU	13B BELL	$e^+e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
4245 ± 5 ± 4		² LEES	12AC BABR	10.58 $e^+e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
4284 $\begin{smallmatrix} +17 \\ -16 \end{smallmatrix}$ ± 413.6		HE	06B CLEO	9.4–10.6 $e^+e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●				
4247 ± 12 $\begin{smallmatrix} +17 \\ -32 \end{smallmatrix}$		^{1,3} YUAN	07 BELL	10.58 $e^+e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
4259 ± 8 $\begin{smallmatrix} +2 \\ -6 \end{smallmatrix}$ 125		⁴ AUBERT,B	05I BABR	10.58 $e^+e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$

¹ From a two-resonance fit.
² From a single-resonance fit. Supersedes AUBERT,B 05I.
³ Superseded by LIU 13B.
⁴ From a single-resonance fit. Two interfering resonances are not excluded. Superseded by LEES 12AC.



X(4260) WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
120 ±12	OUR AVERAGE	Error includes scale factor of 1.1.		
134.1±16.4± 5.5		¹ LIU	13B BELL	$e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
114 $\begin{smallmatrix} +16 \\ -15 \end{smallmatrix} \pm 7$		² LEES	12AC BABR	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
73 $\begin{smallmatrix} +39 \\ -25 \end{smallmatrix} \pm 5$	13.6	HE	06B CLEO	9.4–10.6 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
108 ±19 ±10		^{1,3} YUAN	07 BELL	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
88 ±23 $\begin{smallmatrix} +6 \\ -4 \end{smallmatrix}$	125	⁴ AUBERT,B	05I BABR	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$
¹ From a two-resonance fit.				
² From a single-resonance fit. Supersedes AUBERT,B 05I.				
³ Superseded by LIU 13B.				
⁴ From a single-resonance fit. Two interfering resonances are not excluded. Superseded by LEES 12AC.				

X(4260) DECAY MODES

Mode	Fraction (Γ_i/Γ)
Γ_1 e^+e^-	
Γ_2 $J/\psi\pi^+\pi^-$	seen
Γ_3 $J/\psi f_0(980), f_0(980) \rightarrow \pi^+\pi^-$	seen
Γ_4 $X(3900)^\pm\pi^\mp, X^\pm \rightarrow J/\psi\pi^\pm$	seen
Γ_5 $J/\psi\pi^0\pi^0$	seen
Γ_6 $J/\psi K^+K^-$	seen
Γ_7 $J/\psi K_S^0 K_S^0$	not seen
Γ_8 $X(3872)\gamma$	seen
Γ_9 $J/\psi\eta$	not seen
Γ_{10} $J/\psi\pi^0$	not seen
Γ_{11} $J/\psi\eta'$	not seen
Γ_{12} $J/\psi\pi^+\pi^-\pi^0$	not seen
Γ_{13} $J/\psi\eta\pi^0$	not seen
Γ_{14} $J/\psi\eta\eta$	not seen
Γ_{15} $\psi(2S)\pi^+\pi^-$	not seen
Γ_{16} $\psi(2S)\eta$	not seen
Γ_{17} $\chi_{c0}\omega$	not seen
Γ_{18} $\chi_{c1}\gamma$	not seen
Γ_{19} $\chi_{c2}\gamma$	not seen
Γ_{20} $\chi_{c1}\pi^+\pi^-\pi^0$	not seen
Γ_{21} $\chi_{c2}\pi^+\pi^-\pi^0$	not seen
Γ_{22} $h_c(1P)\pi^+\pi^-$	not seen
Γ_{23} $\phi\pi^+\pi^-$	not seen
Γ_{24} $\phi f_0(980) \rightarrow \phi\pi^+\pi^-$	not seen

Γ_{25}	$D\bar{D}$	not seen
Γ_{26}	$D^0\bar{D}^0$	not seen
Γ_{27}	D^+D^-	not seen
Γ_{28}	$D^*\bar{D} + c.c.$	not seen
Γ_{29}	$D^*(2007)^0\bar{D}^0 + c.c.$	not seen
Γ_{30}	$D^*(2010)^+D^- + c.c.$	not seen
Γ_{31}	$D^*\bar{D}^*$	not seen
Γ_{32}	$D^*(2007)^0\bar{D}^*(2007)^0$	not seen
Γ_{33}	$D^*(2010)^+D^*(2010)^-$	not seen
Γ_{34}	$D\bar{D}\pi + c.c.$	
Γ_{35}	$D^0D^-\pi^+ + c.c.$ (excl. $D^*(2007)^0\bar{D}^{*0} + c.c.$, $D^*(2010)^+D^- + c.c.$)	not seen
Γ_{36}	$D\bar{D}^*\pi + c.c.$ (excl. $D^*\bar{D}^*$)	not seen
Γ_{37}	$D^0D^{*-}\pi^+ + c.c.$ (excl. $D^*(2010)^+D^*(2010)^-$)	not seen
Γ_{38}	$D^0D^*(2010)^-\pi^+ + c.c.$	not seen
Γ_{39}	$D^*\bar{D}^*\pi$	not seen
Γ_{40}	$D_s^+D_s^-$	not seen
Γ_{41}	$D_s^{*+}D_s^- + c.c.$	not seen
Γ_{42}	$D_s^{*+}D_s^{*-}$	not seen
Γ_{43}	$p\bar{p}$	not seen
Γ_{44}	$K_S^0K^\pm\pi^\mp$	not seen
Γ_{45}	$K^+K^-\pi^0$	not seen

$X(4260) \Gamma(i) \times \Gamma(e^+e^-)/\Gamma(\text{total})$

$\Gamma(J/\psi\pi^+\pi^-) \times \Gamma(e^+e^-)/\Gamma_{\text{total}}$					$\Gamma_2\Gamma_1/\Gamma$
VALUE (eV)	EVTS	DOCUMENT ID	TECN	COMMENT	
9.2±1.0 OUR AVERAGE					
9.2±0.8±0.7		¹ LEES	12AC BABR	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$	
8.9 ^{+3.9} _{-3.1} ±1.8	8.1	HE	06B CLEO	9.4–10.6 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$	
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●					
6.4±0.8±0.6		² LIU	13B BELL	$e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$	
20.5±1.4±2.0		³ LIU	13B BELL	$e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$	
6.0±1.2 ^{+4.7} _{-0.5}		^{2,4} YUAN	07 BELL	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$	
20.6±2.3 ^{+9.1} _{-1.7}		^{3,4} YUAN	07 BELL	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$	
5.5±1.0 ^{+0.8} _{-0.7}	125	⁵ AUBERT,B	05I BABR	10.58 $e^+e^- \rightarrow \gamma\pi^+\pi^- J/\psi$	

¹ From a single-resonance fit. Supersedes AUBERT,B 05I.

² Solution I of two equivalent solutions in a fit using two interfering resonances.

³ Solution II of two equivalent solutions in a fit using two interfering resonances.

⁴ Superseded by LIU 13B.

⁵ From a single-resonance fit. Two interfering resonances are not excluded. Superseded by LEES 12AC.

$\Gamma(J/\psi K^+ K^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ $\Gamma_6 \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
<1.7	90	¹ SHEN	14	BELL 9.4–10.9 $e^+ e^- \rightarrow \gamma K^+ K^- J/\psi$

• • • We do not use the following data for averages, fits, limits, etc. • • •

<1.2	90	² YUAN	08	BELL $e^+ e^- \rightarrow \gamma K^+ K^- J/\psi$
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¹ From a fit of the broad $K^+ K^- J/\psi$ enhancement including a coherent $X(4260)$ amplitude with mass and width from LIU 13B. Supersedes YUAN 08.

² From a fit of the broad $K^+ K^- J/\psi$ enhancement including a coherent $X(4260)$ amplitude with mass and width from YUAN 07.

$\Gamma(J/\psi K_S^0 K_S^0) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ $\Gamma_7 \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
<0.85	90	¹ SHEN	14	BELL 9.4–10.9 $e^+ e^- \rightarrow \gamma K_S^0 K_S^0 J/\psi$

¹ From a fit of the $K_S^0 K_S^0 J/\psi$ mass range from 4.4 to 5.5 GeV including a coherent $X(4260)$ amplitude with mass and width from LIU 13B.

$\Gamma(J/\psi \eta) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ $\Gamma_9 \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
<14.2	90	WANG	13B	BELL $e^+ e^- \rightarrow J/\psi \eta \gamma$

$\Gamma(\psi(2S) \pi^+ \pi^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ $\Gamma_{15} \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
<4.3	90	¹ LIU	08H	RVUE 10.58 $e^+ e^- \rightarrow \psi(2S) \pi^+ \pi^- \gamma$
$7.4^{+2.1}_{-1.7}$		² LIU	08H	RVUE 10.58 $e^+ e^- \rightarrow \psi(2S) \pi^+ \pi^- \gamma$

¹ For constructive interference with the $X(4360)$ in a combined fit of AUBERT 07S and WANG 07D data with three resonances.

² For destructive interference with the $X(4360)$ in a combined fit of AUBERT 07S and WANG 07D data with three resonances.

$\Gamma(\chi_{c1} \gamma) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ $\Gamma_{18} \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
<1.4	90	¹ HAN	15	BELL 10.58 $e^+ e^- \rightarrow \chi_{c1} \gamma$

¹ Using $B(\eta \rightarrow \gamma \gamma) = (39.41 \pm 0.21)\%$.

$\Gamma(\chi_{c2} \gamma) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ $\Gamma_{19} \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
<4.0	90	¹ HAN	15	BELL 10.58 $e^+ e^- \rightarrow \chi_{c2} \gamma$

¹ Using $B(\eta \rightarrow \gamma \gamma) = (39.41 \pm 0.21)\%$.

$\Gamma(\phi \pi^+ \pi^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ $\Gamma_{23} \Gamma_1/\Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
<0.4	90	AUBERT, BE 06D	BABR	10.6 $e^+ e^- \rightarrow K^+ K^- \pi^+ \pi^- \gamma$

$\Gamma(\phi f_0(980) \rightarrow \phi \pi^+ \pi^-) \times \Gamma(e^+ e^-) / \Gamma_{\text{total}}$ $\Gamma_{24} \Gamma_1 / \Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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<0.29	90	¹ AUBERT	07AK BABR	10.6 $e^+ e^- \rightarrow \pi^+ \pi^- K^+ K^- \gamma$
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¹ AUBERT 07AK reports $[\Gamma(X(4260) \rightarrow \phi f_0(980) \rightarrow \phi \pi^+ \pi^-) \times \Gamma(X(4260) \rightarrow e^+ e^-) / \Gamma_{\text{total}}] \times [B(\phi(1020) \rightarrow K^+ K^-)] < 0.14$ eV which we divide by our best value $B(\phi(1020) \rightarrow K^+ K^-) = 48.9 \times 10^{-2}$.

$\Gamma(K_S^0 K^\pm \pi^\mp) \times \Gamma(e^+ e^-) / \Gamma_{\text{total}}$ $\Gamma_{44} \Gamma_1 / \Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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• • • We do not use the following data for averages, fits, limits, etc. • • •

<0.5	90	AUBERT	08S BABR	10.6 $e^+ e^- \rightarrow K_S^0 K^\pm \pi^\mp \gamma$
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$\Gamma(K^+ K^- \pi^0) \times \Gamma(e^+ e^-) / \Gamma_{\text{total}}$ $\Gamma_{45} \Gamma_1 / \Gamma$

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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• • • We do not use the following data for averages, fits, limits, etc. • • •

<0.6	90	AUBERT	08S BABR	10.6 $e^+ e^- \rightarrow K^+ K^- \pi^0 \gamma$
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X(4260) BRANCHING RATIOS

$\Gamma(J/\psi f_0(980), f_0(980) \rightarrow \pi^+ \pi^-) / \Gamma(J/\psi \pi^+ \pi^-)$ Γ_3 / Γ_2

VALUE	DOCUMENT ID	TECN	COMMENT
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• • • We do not use the following data for averages, fits, limits, etc. • • •

0.17 ± 0.13	¹ LEES	12AC BABR	10.58 $e^+ e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
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¹ Systematic uncertainties not estimated.

$\Gamma(X(3900)^\pm \pi^\mp, X^\pm \rightarrow J/\psi \pi^\pm) / \Gamma(J/\psi \pi^+ \pi^-)$ Γ_4 / Γ_2

VALUE	DOCUMENT ID	TECN	COMMENT
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0.215 ± 0.033 ± 0.075	¹ ABLIKIM	13T BES3	$e^+ e^- \rightarrow \pi^+ \pi^- J/\psi$
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• • • We do not use the following data for averages, fits, limits, etc. • • •

0.29 ± 0.08	² LIU	13B BELL	$e^+ e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
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¹ Assuming that the cross section of $e^+ e^- \rightarrow \pi^+ \pi^- J/\psi$ is fully due to the X(4260).

² Systematic error not evaluated.

$\Gamma(J/\psi K_S^0 K_S^0) / \Gamma_{\text{total}}$ Γ_7 / Γ

VALUE	DOCUMENT ID	TECN	COMMENT
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not seen	SHEN	14 BELL	9.4–10.9 $e^+ e^- \rightarrow \gamma K_S^0 K_S^0 J/\psi$
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$\Gamma(X(3872)\gamma) / \Gamma_{\text{total}}$ Γ_8 / Γ

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
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seen	20 ± 5	ABLIKIM	14 BES3	$e^+ e^- \rightarrow J/\psi \pi^+ \pi^- \gamma$
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$\Gamma(J/\psi \eta \pi^0) / \Gamma_{\text{total}}$ Γ_{13} / Γ

VALUE	DOCUMENT ID	TECN	COMMENT
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not seen	ABLIKIM	15Q BES3	4.0–4.6 $e^+ e^- \rightarrow J/\psi \eta \pi^0$
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$\Gamma(h_c(1P)\pi^+\pi^-)/\Gamma(J/\psi\pi^+\pi^-)$ Γ_{22}/Γ_2

<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<1.0	90	¹ PEDLAR	11	CLEO $e^+e^- \rightarrow h_c(1P)\pi^+\pi^-$

¹ At $\sqrt{s} = 4260$ MeV, PEDLAR 11 measures $\sigma(e^+e^- \rightarrow h_c(1P)\pi^+\pi^-) = 32 \pm 17 \pm 6 \pm 6$ pb, where the errors are statistical, systematic, and due to uncertainty in $B(\psi(2S) \rightarrow \pi^0 h_c(1P))$, respectively.

$\Gamma(D\bar{D})/\Gamma(J/\psi\pi^+\pi^-)$ Γ_{25}/Γ_2

<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<1.0	90	¹ AUBERT	07BE	BABR $e^+e^- \rightarrow D\bar{D}\gamma$

• • • We do not use the following data for averages, fits, limits, etc. • • •

<4.0	90	CRONIN-HEN..09	CLEO	e^+e^-
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¹ Using 4259 ± 10 MeV for the mass and 88 ± 24 MeV for the width of $X(4260)$.

$\Gamma(D^0\bar{D}^0)/\Gamma_{\text{total}}$ Γ_{26}/Γ

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^0\bar{D}^0$

• • • We do not use the following data for averages, fits, limits, etc. • • •

not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^0\bar{D}^0\gamma$
not seen	PAKHLOVA	08	BELL $e^+e^- \rightarrow D^0\bar{D}^0\gamma$

$\Gamma(D^+D^-)/\Gamma_{\text{total}}$ Γ_{27}/Γ

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^+D^-$

• • • We do not use the following data for averages, fits, limits, etc. • • •

not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^+D^-\gamma$
not seen	PAKHLOVA	08	BELL $e^+e^- \rightarrow D^+D^-\gamma$

$\Gamma(D^*\bar{D} + \text{c.c.})/\Gamma(J/\psi\pi^+\pi^-)$ Γ_{28}/Γ_2

<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<34	90	AUBERT	09M	BABR $e^+e^- \rightarrow \gamma D^*\bar{D}$

• • • We do not use the following data for averages, fits, limits, etc. • • •

<45	90	CRONIN-HEN..09	CLEO	e^+e^-
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$\Gamma(D^*(2007)^0\bar{D}^0 + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{29}/Γ

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^{*0}\bar{D}^0$

• • • We do not use the following data for averages, fits, limits, etc. • • •

not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^{*0}\bar{D}^0\gamma$
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$\Gamma(D^*(2010)^+D^- + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{30}/Γ

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
not seen	CRONIN-HEN..09	CLEO	$e^+e^- \rightarrow D^{*+}D^-$

not seen PAKHLOVA 07 BELL $e^+e^- \rightarrow D^{*+}D^-\gamma$

• • • We do not use the following data for averages, fits, limits, etc. • • •

not seen	AUBERT	09M	BABR $e^+e^- \rightarrow D^{*+}D^-\gamma$
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$\Gamma(D^* \bar{D}^*)/\Gamma(J/\psi \pi^+ \pi^-)$ Γ_{31}/Γ_2

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<11	90	CRONIN-HEN..09	CLEO	$e^+ e^-$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
<40	90	AUBERT	09M BABR	$e^+ e^- \rightarrow \gamma D^* \bar{D}^*$

$\Gamma(D^*(2007)^0 \bar{D}^*(2007)^0)/\Gamma_{\text{total}}$ Γ_{32}/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D^{*0} \bar{D}^{*0}$
• • • We do not use the following data for averages, fits, limits, etc. • • •			
not seen	AUBERT	09M BABR	$e^+ e^- \rightarrow D^{*0} \bar{D}^{*0} \gamma$

$\Gamma(D^*(2010)^+ D^*(2010)^-)/\Gamma_{\text{total}}$ Γ_{33}/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D^{*+} D^{*-}$
not seen	PAKHLOVA 07	BELL	$e^+ e^- \rightarrow D^{*+} D^{*-} \gamma$
• • • We do not use the following data for averages, fits, limits, etc. • • •			
not seen	AUBERT	09M BABR	$e^+ e^- \rightarrow D^{*+} D^{*-} \gamma$

$\Gamma(D^0 D^- \pi^+ + \text{c.c. (excl. } D^*(2007)^0 \bar{D}^{*0} + \text{c.c., } D^*(2010)^+ D^- + \text{c.c.)))/\Gamma_{\text{total}}$ Γ_{35}/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	PAKHLOVA 08A	BELL	$10.6 e^+ e^- \rightarrow D^0 D^- \pi^+ \gamma$

$\Gamma(D \bar{D}^* \pi + \text{c.c. (excl. } D^* \bar{D}^*)/)\Gamma_{\text{total}}$ Γ_{36}/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D^* \bar{D} \pi$

$\Gamma(D \bar{D}^* \pi + \text{c.c. (excl. } D^* \bar{D}^*)/)\Gamma(J/\psi \pi^+ \pi^-)$ Γ_{36}/Γ_2

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<15	90	CRONIN-HEN..09	CLEO	$e^+ e^-$

$\Gamma(D^0 D^{*-} \pi^+ + \text{c.c. (excl. } D^*(2010)^+ D^*(2010)^-)/)\Gamma_{\text{total}}$ Γ_{37}/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
not seen	PAKHLOVA 09	BELL	$e^+ e^- \rightarrow D^0 D^{*-} \pi^+ \gamma$

$\Gamma(D^0 D^*(2010)^- \pi^+ + \text{c.c.})/\Gamma(J/\psi \pi^+ \pi^-)$ Γ_{38}/Γ_2

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<9	90	PAKHLOVA 09	BELL	$e^+ e^- \rightarrow D^0 D^{*-} \pi^+$

$\Gamma(D^0 D^*(2010)^- \pi^+ + \text{c.c.})/\Gamma_{\text{total}} \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ $\Gamma_{38}/\Gamma \times \Gamma_1/\Gamma$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<0.42 $\times 10^{-6}$	90	¹ PAKHLOVA 09	BELL	$e^+ e^- \rightarrow D^0 D^{*-} \pi^+$

¹ Using 4263^{+8}_{-9} MeV for the mass of $X(4260)$.

$\Gamma(D^* \bar{D}^* \pi) / \Gamma_{\text{total}}$					Γ_{39} / Γ
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
not seen		CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D^* \bar{D}^* \pi$	
$\Gamma(D^* \bar{D}^* \pi) / \Gamma(J/\psi \pi^+ \pi^-)$					Γ_{39} / Γ_2
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
<8.2	90	CRONIN-HEN..09	CLEO	$e^+ e^-$	
$\Gamma(D_s^+ D_s^-) / \Gamma_{\text{total}}$					Γ_{40} / Γ
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
not seen		DEL-AMO-SA..10N	BABR	$e^+ e^- \rightarrow D_s^+ D_s^- \gamma$	
not seen		CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D_s^+ D_s^-$	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
not seen		PAKHLOVA 11	BELL	$e^+ e^- \rightarrow D_s^+ D_s^- \gamma$	
$\Gamma(D_s^+ D_s^-) / \Gamma(J/\psi \pi^+ \pi^-)$					Γ_{40} / Γ_2
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
<0.7	95	DEL-AMO-SA..10N	BABR	10.6 $e^+ e^-$	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<1.3	90	CRONIN-HEN..09	CLEO	$e^+ e^-$	
$\Gamma(D_s^{*+} D_s^- + \text{c.c.}) / \Gamma_{\text{total}}$					Γ_{41} / Γ
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
not seen		DEL-AMO-SA..10N	BABR	$e^+ e^- \rightarrow D_s^{*+} D_s^- \gamma$	
not seen		CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D_s^{*+} D_s^-$	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
not seen		PAKHLOVA 11	BELL	$e^+ e^- \rightarrow D_s^{*+} D_s^- \gamma$	
$\Gamma(D_s^{*+} D_s^- + \text{c.c.}) / \Gamma(J/\psi \pi^+ \pi^-)$					Γ_{41} / Γ_2
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
< 0.8	90	CRONIN-HEN..09	CLEO	$e^+ e^-$	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<44	95	DEL-AMO-SA..10N	BABR	10.6 $e^+ e^-$	
$\Gamma(D_s^{*+} D_s^{*-}) / \Gamma_{\text{total}}$					Γ_{42} / Γ
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
not seen		CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D_s^{*+} D_s^{*-}$	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
not seen		PAKHLOVA 11	BELL	$e^+ e^- \rightarrow D_s^{*+} D_s^{*-} \gamma$	
not seen		DEL-AMO-SA..10N	BABR	$e^+ e^- \rightarrow D_s^{*+} D_s^{*-} \gamma$	
$\Gamma(D_s^{*+} D_s^{*-}) / \Gamma(J/\psi \pi^+ \pi^-)$					Γ_{42} / Γ_2
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
< 9.5	90	CRONIN-HEN..09	CLEO	$e^+ e^-$	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<30	95	DEL-AMO-SA..10N	BABR	10.6 $e^+ e^-$	

$\Gamma(p\bar{p})/\Gamma(J/\psi\pi^+\pi^-)$ Γ_{43}/Γ_2

<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>COMMENT</u>
<0.13	90	¹ AUBERT	06B $e^+e^- \rightarrow p\bar{p}\gamma$

¹ Using 4259 ± 10 MeV for the mass and 88 ± 24 MeV for the width of $X(4260)$.

X(4260) REFERENCES

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WANG	13B	PR D87 051101	X.L. Wang <i>et al.</i>	(BELLE Collab.)
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LIU	08H	PR D78 014032	Z.Q. Liu, X.S. Qin, C.Z. Yuan	
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PAKHLOVA	07	PRL 98 092001	G. Pakhlova <i>et al.</i>	(BELLE Collab.)
WANG	07D	PRL 99 142002	X.L. Wang <i>et al.</i>	(BELLE Collab.)
YUAN	07	PRL 99 182004	C.Z. Yuan <i>et al.</i>	(BELLE Collab.)
AUBERT	06	PR D73 011101	B. Aubert <i>et al.</i>	(BABAR Collab.)
AUBERT	06B	PR D73 012005	B. Aubert <i>et al.</i>	(BABAR Collab.)
AUBERT,BE	06D	PR D74 091103	B. Aubert <i>et al.</i>	(BABAR Collab.)
COAN	06	PRL 96 162003	T.E. Coan <i>et al.</i>	(CLEO Collab.)
HE	06B	PR D74 091104	Q. He <i>et al.</i>	(CLEO Collab.)
AUBERT,B	05I	PRL 95 142001	B. Aubert <i>et al.</i>	(BABAR Collab.)