

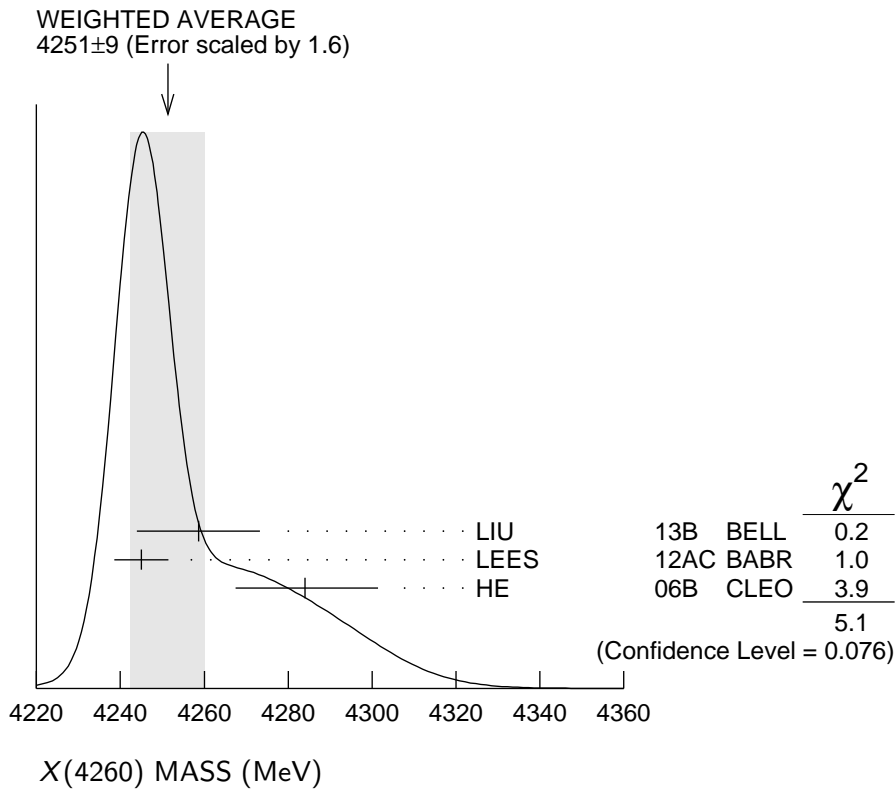
X(4260)

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

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 $^{+17}_{-16}$ ± 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 $^{+17}_{-32}$	1,3	YUAN	07 BELL	10.58 $e^+e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$
4259 ± 8 $^{+2}_{-6}$ 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³ Superseded by LIU 13B.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 Superseded by LEES 12AC.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³ Superseded by LIU 13B.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 Superseded by LEES 12AC.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_j/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 $X(3872)\gamma$	seen
Γ_8 $J/\psi\eta$	not seen
Γ_9 $J/\psi\pi^0$	not seen
Γ_{10} $J/\psi\eta'$	not seen
Γ_{11} $J/\psi\pi^+\pi^-\pi^0$	not seen
Γ_{12} $J/\psi\eta\eta$	not seen
Γ_{13} $\psi(2S)\pi^+\pi^-$	not seen
Γ_{14} $\psi(2S)\eta$	not seen
Γ_{15} $\chi_{c0}\omega$	not seen
Γ_{16} $\chi_{c1}\gamma$	not seen
Γ_{17} $\chi_{c2}\gamma$	not seen
Γ_{18} $\chi_{c1}\pi^+\pi^-\pi^0$	not seen
Γ_{19} $\chi_{c2}\pi^+\pi^-\pi^0$	not seen
Γ_{20} $h_c(1P)\pi^+\pi^-$	not seen

Γ_{21}	$\phi\pi^+\pi^-$	not seen
Γ_{22}	$\phi f_0(980) \rightarrow \phi\pi^+\pi^-$	not seen
Γ_{23}	$D\bar{D}$	not seen
Γ_{24}	$D^0\bar{D}^0$	not seen
Γ_{25}	D^+D^-	not seen
Γ_{26}	$D^*\bar{D} + \text{c.c.}$	not seen
Γ_{27}	$D^*(2007)^0\bar{D}^0 + \text{c.c.}$	not seen
Γ_{28}	$D^*(2010)^+D^- + \text{c.c.}$	not seen
Γ_{29}	$D^*\bar{D}^*$	not seen
Γ_{30}	$D^*(2007)^0\bar{D}^*(2007)^0$	not seen
Γ_{31}	$D^*(2010)^+D^*(2010)^-$	not seen
Γ_{32}	$D\bar{D}\pi + \text{c.c.}$	
Γ_{33}	$D^0D^-\pi^+ + \text{c.c.}$ (excl. $D^*(2007)^0\bar{D}^{*0} + \text{c.c.}$, $D^*(2010)^+D^- + \text{c.c.}$)	not seen
Γ_{34}	$D\bar{D}^*\pi + \text{c.c.}$ (excl. $D^*\bar{D}^*$)	not seen
Γ_{35}	$D^0D^{*-}\pi^+ + \text{c.c.}$ (excl. $D^*(2010)^+D^*(2010)^-$)	not seen
Γ_{36}	$D^0D^*(2010)^-\pi^+ + \text{c.c.}$	not seen
Γ_{37}	$D^*\bar{D}^*\pi$	not seen
Γ_{38}	$D_s^+D_s^-$	not seen
Γ_{39}	$D_s^{*+}D_s^- + \text{c.c.}$	not seen
Γ_{40}	$D_s^{*+}D_s^{*-}$	not seen
Γ_{41}	$\rho\bar{\rho}$	not seen
Γ_{42}	$K_S^0K^\pm\pi^\mp$	not seen
Γ_{43}	$K^+K^-\pi^0$	not seen

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

$\Gamma(J/\psi\pi^+\pi^-) \times \Gamma(e^+e^-)/\Gamma_{\text{total}}$					$\Gamma_2\Gamma_1/\Gamma$
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
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• • • We do not use the following data for averages, fits, limits, etc. • • •

<1.2	90	¹ 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 YUAN 07.

$\Gamma(J/\psi \eta) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ **$\Gamma_8 \Gamma_1/\Gamma$**

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

<14.2	90	WANG	13B	BELL $e^+ e^- \rightarrow J/\psi \eta \gamma$
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$\Gamma(\psi(2S) \pi^+ \pi^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ **$\Gamma_{13} \Gamma_1/\Gamma$**

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

<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.

$\Gamma(\phi \pi^+ \pi^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ **$\Gamma_{21} \Gamma_1/\Gamma$**

VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT
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<0.4	90	AUBERT, BE	06D	BABR $10.6 e^+ e^- \rightarrow K^+ K^- \pi^+ \pi^- \gamma$
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$\Gamma(\phi f_0(980) \rightarrow \phi \pi^+ \pi^-) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ **$\Gamma_{22} \Gamma_1/\Gamma$**

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 $B(\phi(1020) \rightarrow K^+ K^-) = 48.9 \times 10^{-2}$.

$\Gamma(K_S^0 K^\pm \pi^\mp) \times \Gamma(e^+ e^-)/\Gamma_{\text{total}}$ **$\Gamma_{42} \Gamma_1/\Gamma$**

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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$\Gamma(K^+ K^- \pi^0) \times \Gamma(e^+ e^-) / \Gamma_{\text{total}}$					$\Gamma_{43} \Gamma_1 / \Gamma$
VALUE (eV)	CL%	DOCUMENT ID	TECN	COMMENT	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
<0.6	90	AUBERT	08S BABR	10.6 $e^+ e^- \rightarrow K^+ K^- \pi^0 \gamma$	

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	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.17 ± 0.13		¹ LEES	12AC BABR	10.58 $e^+ e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$	
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	
• • • We do not use the following data for averages, fits, limits, etc. • • •					
0.215 ± 0.033 ± 0.075		¹ ABLIKIM	13T BES3	$e^+ e^- \rightarrow \pi^+ \pi^- J/\psi$	
0.29 ± 0.08		² LIU	13B BELL	$e^+ e^- \rightarrow \gamma \pi^+ \pi^- J/\psi$	
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.					

$\Gamma(h_c(1P) \pi^+ \pi^-) / \Gamma(J/\psi \pi^+ \pi^-)$					Γ_{20} / Γ_2
VALUE	CL%	DOCUMENT ID	TECN	COMMENT	
<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.					

$\Gamma(X(3872) \gamma) / \Gamma_{\text{total}}$					Γ_7 / Γ
VALUE	EVTS	DOCUMENT ID	TECN	COMMENT	
seen	20 ± 5	ABLIKIM	14 BES3	$e^+ e^- \rightarrow J/\psi \pi^+ \pi^- \gamma$	

$\Gamma(D \bar{D}) / \Gamma(J/\psi \pi^+ \pi^-)$					Γ_{23} / Γ_2
VALUE	CL%	DOCUMENT ID	TECN	COMMENT	
<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	$e^+ e^-$	
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_{24} / 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	$e^+ e^- \rightarrow D^0 \bar{D}^0 \gamma$	
not seen		PAKHLOVA	08 BELL	$e^+ e^- \rightarrow D^0 \bar{D}^0 \gamma$	

$\Gamma(D^+ D^-)/\Gamma_{\text{total}}$ Γ_{25}/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_{26}/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	$e^+ e^-$

$\Gamma(D^*(2007)^0 \bar{D}^0 + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{27}/Γ

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

$\Gamma(D^*(2010)^+ D^- + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{28}/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	$e^+ e^- \rightarrow D^{*+} D^- \gamma$

$\Gamma(D^* \bar{D}^*)/\Gamma(J/\psi \pi^+ \pi^-)$ Γ_{29}/Γ_2

<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<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_{30}/Γ

<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
not seen	CRONIN-HEN..09	CLEO	$e^+ e^- \rightarrow D^{*0} \bar{D}^{*0}$
• • • 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_{31}/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	$e^+ e^- \rightarrow D^{*+} D^{*-} \gamma$

$$\Gamma(D^0 D^- \pi^+ + \text{c.c. (excl. } D^*(2007)^0 \bar{D}^{*0} + \text{c.c., } D^*(2010)^+ D^- + \text{c.c.))} / \Gamma_{\text{total}} \quad \Gamma_{33}/\Gamma$$

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

$$\Gamma(D \bar{D}^* \pi + \text{c.c. (excl. } D^* \bar{D}^*)) / \Gamma_{\text{total}} \quad \Gamma_{34}/\Gamma$$

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

$$\Gamma(D \bar{D}^* \pi + \text{c.c. (excl. } D^* \bar{D}^*)) / \Gamma(J/\psi \pi^+ \pi^-) \quad \Gamma_{34}/\Gamma_2$$

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

$$\Gamma(D^0 D^{*-} \pi^+ + \text{c.c. (excl. } D^*(2010)^+ D^*(2010)^-) / \Gamma_{\text{total}} \quad \Gamma_{35}/\Gamma$$

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

$$\Gamma(D^0 D^*(2010)^- \pi^+ + \text{c.c.}) / \Gamma(J/\psi \pi^+ \pi^-) \quad \Gamma_{36}/\Gamma_2$$

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

$$\Gamma(D^0 D^*(2010)^- \pi^+ + \text{c.c.}) / \Gamma_{\text{total}} \times \Gamma(e^+ e^-) / \Gamma_{\text{total}} \quad \Gamma_{36}/\Gamma \times \Gamma_1/\Gamma$$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<0.42 × 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).

$$\Gamma(D^* \bar{D}^* \pi) / \Gamma_{\text{total}} \quad \Gamma_{37}/\Gamma$$

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

$$\Gamma(D^* \bar{D}^* \pi) / \Gamma(J/\psi \pi^+ \pi^-) \quad \Gamma_{37}/\Gamma_2$$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<8.2	90	CRONIN-HEN..09	CLEO	$e^+ e^-$

$$\Gamma(D_s^+ D_s^-) / \Gamma_{\text{total}} \quad \Gamma_{38}/\Gamma$$

VALUE	DOCUMENT ID	TECN	COMMENT
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	$e^+ e^- \rightarrow D_s^+ D_s^- \gamma$
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$$\Gamma(D_s^+ D_s^-) / \Gamma(J/\psi \pi^+ \pi^-) \quad \Gamma_{38}/\Gamma_2$$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
<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	$e^+ e^-$
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$\Gamma(D_s^{*+} D_s^- + c.c.) / \Gamma_{\text{total}}$	Γ_{39} / Γ
<u>VALUE</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 $e^+ e^- \rightarrow D_s^{*+} D_s^- \gamma$

$\Gamma(D_s^{*+} D_s^- + c.c.) / \Gamma(J/\psi \pi^+ \pi^-)$	Γ_{39} / Γ_2
<u>VALUE</u>	<u>CL%</u> <u>DOCUMENT ID</u> <u>TECN</u> <u>COMMENT</u>
< 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_{40} / Γ
<u>VALUE</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_{40} / 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_{41} / Γ_2
<u>VALUE</u>	<u>CL%</u> <u>DOCUMENT ID</u> <u>COMMENT</u>
<0.13	90 ¹ AUBERT 06B $e^+ e^- \rightarrow p\bar{p}\gamma$

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

X(4260) REFERENCES

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