

$\Upsilon(10860)$

$$J^{PC} = 0^{--}(1^{--})$$

$\Upsilon(10860)$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
10876 ± 11	OUR EVALUATION		Weighted-average of Belle and BaBar results, but tripling the scaling S -factors applied to the uncertainties to account for model-dependence, handling of radiative corrections, and interference effects.
• • •	We do not use the following data for averages, fits, limits, etc.	• • •	
10879 ± 3	^{1,2} CHEN	10	BELL $e^+e^- \rightarrow$ hadrons
10888.4 ⁺ ₋ $\frac{2.7}{2.6} \pm 1.2$	³ CHEN	10	BELL $e^+e^- \rightarrow \Upsilon(1S, 2S, 3S)\pi^+\pi^-$
10876 ± 2	¹ AUBERT	09E	BABR $e^+e^- \rightarrow$ hadrons
10869 ± 2	⁴ AUBERT	09E	BABR $e^+e^- \rightarrow$ hadrons
10868 ± 6 ± 5	⁵ BESSON	85	CLEO $e^+e^- \rightarrow$ hadrons
10845 ± 20	⁶ LOVELOCK	85	CUSB $e^+e^- \rightarrow$ hadrons

¹ In a model where a flat non-resonant $b\bar{b}$ -continuum is incoherently added to a second flat component interfering with two Breit-Wigner resonances. Systematic uncertainties not estimated.

² The parameters of the $\Upsilon(11020)$ are fixed to those in AUBERT 09E.

³ In a model where a flat nonresonant $\Upsilon(1S, 2S, 3S)\pi^+\pi^-$ continuum interferes with a single Breit-Wigner resonance.

⁴ In a model where a non-resonant $b\bar{b}$ -continuum represented by a threshold function at $\sqrt{s}=2m_B$ is incoherently added to a flat component interfering with two Breit-Wigner resonances. Not independent of other AUBERT 09E results. Systematic uncertainties not estimated.

⁵ Assuming four Gaussians with radiative tails and a single step in R .

⁶ In a coupled-channel model with three resonances and a smooth step in R .

$\Upsilon(10860)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
55 ± 28	OUR EVALUATION		Weighted-average of Belle and BaBar results, but tripling the scaling S -factors applied to the uncertainties to account for model-dependence, handling of radiative corrections, and interference effects.
• • •	We do not use the following data for averages, fits, limits, etc.	• • •	
46 ⁺ ₋ $\frac{9}{7}$	^{7,8} CHEN	10	BELL $e^+e^- \rightarrow$ hadrons
30.7 ⁺ ₋ $\frac{8.3}{7.0} \pm 3.1$	⁹ CHEN	10	BELL $e^+e^- \rightarrow \Upsilon(1S, 2S, 3S)\pi^+\pi^-$
43 ± 4	⁷ AUBERT	09E	BABR $e^+e^- \rightarrow$ hadrons
74 ± 4	¹⁰ AUBERT	09E	BABR $e^+e^- \rightarrow$ hadrons
112 ± 17 ± 23	¹¹ BESSON	85	CLEO $e^+e^- \rightarrow$ hadrons
110 ± 15	¹² LOVELOCK	85	CUSB $e^+e^- \rightarrow$ hadrons

- ⁷ In a model where a flat non-resonant $b\bar{b}$ -continuum is incoherently added to a second flat component interfering with two Breit-Wigner resonances. Systematic uncertainties not estimated.
- ⁸ The parameters of the $\Upsilon(11020)$ are fixed to those in AUBERT 09E.
- ⁹ In a model where a flat nonresonant $\Upsilon(1S, 2S, 3S)\pi^+\pi^-$ continuum interferes with a single Breit-Wigner resonance.
- ¹⁰ In a model where a non-resonant $b\bar{b}$ -continuum represented by a threshold function at $\sqrt{s}=2m_B$ is incoherently added to a flat component interfering with two Breit-Wigner resonances. Not independent of other AUBERT 09E results. Systematic uncertainties not estimated.
- ¹¹ Assuming four Gaussians with radiative tails and a single step in R .
- ¹² In a coupled-channel model with three resonances and a smooth step in R .

$\Upsilon(10860)$ DECAY MODES

Mode	Fraction (Γ_i/Γ)	Confidence level
Γ_1 $B\bar{B}X$	(75.9 $^{+2.7}_{-4.0}$) %	
Γ_2 $B\bar{B}$	(5.5 ± 1.0) %	
Γ_3 $B\bar{B}^* + \text{c.c.}$	(13.7 ± 1.6) %	
Γ_4 $B^*\bar{B}^*$	(38.1 ± 3.4) %	
Γ_5 $B\bar{B}^{(*)}\pi$	< 19.7 %	90%
Γ_6 $B\bar{B}\pi$	(0.0 ± 1.2) %	
Γ_7 $B^*\bar{B}\pi + B\bar{B}^*\pi$	(7.3 ± 2.3) %	
Γ_8 $B^*\bar{B}^*\pi$	(1.0 ± 1.4) %	
Γ_9 $B\bar{B}\pi\pi$	< 8.9 %	90%
Γ_{10} $B_s^{(*)}\bar{B}_s^{(*)}$	(19.9 ± 3.0) %	
Γ_{11} $B_s\bar{B}_s$	(5 ± 5) $\times 10^{-3}$	
Γ_{12} $B_s\bar{B}_s^* + \text{c.c.}$	(1.5 ± 0.7) %	
Γ_{13} $B_s^*\bar{B}_s^*$	(17.9 ± 2.8) %	
Γ_{14} no open-bottom	(4.2 $^{+5.0}_{-0.6}$) %	
Γ_{15} e^+e^-	(5.6 ± 3.1) $\times 10^{-6}$	
Γ_{16} $\Upsilon(1S)\pi^+\pi^-$	(5.3 ± 0.6) $\times 10^{-3}$	
Γ_{17} $\Upsilon(2S)\pi^+\pi^-$	(7.8 ± 1.3) $\times 10^{-3}$	
Γ_{18} $\Upsilon(3S)\pi^+\pi^-$	(4.8 $^{+1.9}_{-1.7}$) $\times 10^{-3}$	
Γ_{19} $\Upsilon(1S)K^+K^-$	(6.1 ± 1.8) $\times 10^{-4}$	
Γ_{20} $h_b(1P)\pi^+\pi^-$	(3.5 $^{+1.0}_{-1.3}$) $\times 10^{-3}$	
Γ_{21} $h_b(2P)\pi^+\pi^-$	(6.0 $^{+2.1}_{-1.8}$) $\times 10^{-3}$	

Inclusive Decays.

These decay modes are submodes of one or more of the decay modes above.

Γ_{22} ϕ anything	(13.8 $^{+2.4}_{-1.7}$) %
Γ_{23} D^0 anything + c.c.	(108 ± 8) %

Γ_{24}	D_s anything + c.c.	(46 \pm 6) %
Γ_{25}	J/ψ anything	(2.06 \pm 0.21) %
Γ_{26}	B^0 anything + c.c.	(77 \pm 8) %
Γ_{27}	B^+ anything + c.c.	(72 \pm 6) %

$\Upsilon(10860)$ PARTIAL WIDTHS

$\Gamma(e^+e^-)$				Γ_{15}
<u>VALUE (keV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
0.31 \pm 0.07 OUR AVERAGE	Error includes scale factor of 1.3.			
0.22 \pm 0.05 \pm 0.07	BESSION	85	CLEO	$e^+e^- \rightarrow$ hadrons
0.365 \pm 0.070	LOVELOCK	85	CUSB	$e^+e^- \rightarrow$ hadrons

$\Upsilon(10860)$ BRANCHING RATIOS

"OUR EVALUATION" is obtained based on averages of rescaled data listed below. The averages and rescaling were performed by the Heavy Flavor Averaging Group (HFAG) and are described at <http://www.slac.stanford.edu/xorg/hfag/>.

$\Gamma(B\bar{B}X)/\Gamma_{\text{total}}$					Γ_1/Γ
<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
0.759^{+0.027}_{-0.040} OUR EVALUATION					
0.71 \pm 0.06 OUR AVERAGE					
0.737 \pm 0.032 \pm 0.051	1063	¹³ DRUTSKOY	10	BELL	$\Upsilon(5S) \rightarrow B^+X, B^0X$
0.589 \pm 0.100 \pm 0.092		¹⁴ HUANG	07	CLEO	$\Upsilon(5S) \rightarrow$ hadrons

$\Gamma(B\bar{B})/\Gamma_{\text{total}}$					Γ_2/Γ
<u>VALUE (units 10^{-2})</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
5.5^{+1.0}_{-0.9} \pm 0.4		¹⁵ DRUTSKOY	10	BELL	$\Upsilon(5S) \rightarrow B^+X, B^0X$
••• We do not use the following data for averages, fits, limits, etc. •••					
<13.8	90	¹⁴ HUANG	07	CLEO	$\Upsilon(5S) \rightarrow$ hadrons

$\Gamma(B\bar{B})/\Gamma(B\bar{B}X)$					Γ_2/Γ_1
<u>VALUE</u>	<u>CL%</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
<0.22	90	AQUINES	06	CLE3	$\Upsilon(5S) \rightarrow$ hadrons

$\Gamma(B\bar{B}^* + \text{c.c.})/\Gamma_{\text{total}}$					Γ_3/Γ
<u>VALUE</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>		
0.137\pm0.016 OUR AVERAGE					
0.137 \pm 0.013 \pm 0.011	¹⁵ DRUTSKOY	10	BELL	$\Upsilon(5S) \rightarrow B^+X, B^0X$	
0.143 \pm 0.053 \pm 0.027	¹⁴ HUANG	07	CLEO	$\Upsilon(5S) \rightarrow$ hadrons	

$\Gamma(B\bar{B}^* + \text{c.c.})/\Gamma(B\bar{B}X)$					Γ_3/Γ_1
<u>VALUE</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	
0.24\pm0.09\pm0.03	10	AQUINES	06	CLE3	$\Upsilon(5S) \rightarrow$ hadrons

$\Gamma(B^* \bar{B}^*)/\Gamma_{\text{total}}$ Γ_4/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
0.381 ± 0.034 OUR AVERAGE			
0.375 ^{+0.021} _{-0.019} ± 0.030	15 DRUTSKOY 10	BELL	$\gamma(5S) \rightarrow B^+ X, B^0 X$
0.436 ± 0.083 ± 0.072	14 HUANG 07	CLEO	$\gamma(5S) \rightarrow \text{hadrons}$

$\Gamma(B^* \bar{B}^*)/\Gamma(B \bar{B} X)$ Γ_4/Γ_1

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
0.74 ± 0.15 ± 0.08	31	AQUINES 06	CLE3	$\gamma(5S) \rightarrow \text{hadrons}$

$\Gamma(B \bar{B}^{(*)} \pi)/\Gamma_{\text{total}}$ Γ_5/Γ

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
< 0.197	90	14 HUANG 07	CLEO	$\gamma(5S) \rightarrow \text{hadrons}$

$\Gamma(B \bar{B}^{(*)} \pi)/\Gamma(B \bar{B} X)$ Γ_5/Γ_1

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
< 0.32	90	AQUINES 06	CLE3	$\gamma(5S) \rightarrow \text{hadrons}$

$\Gamma(B \bar{B} \pi)/\Gamma_{\text{total}}$ Γ_6/Γ

VALUE (units 10 ⁻²)	EVTS	DOCUMENT ID	TECN	COMMENT
0.0 ± 1.2 ± 0.3	0	15 DRUTSKOY 10	BELL	$\gamma(5S) \rightarrow B^{+,0} \pi^- X$

$[\Gamma(B^* \bar{B} \pi) + \Gamma(B \bar{B}^* \pi)]/\Gamma_{\text{total}}$ Γ_7/Γ

VALUE (units 10 ⁻²)	EVTS	DOCUMENT ID	TECN	COMMENT
7.3^{+2.3}_{-2.1} ± 0.8	38	15 DRUTSKOY 10	BELL	$\gamma(5S) \rightarrow B^{+,0} \pi^- X$

$\Gamma(B^* \bar{B}^* \pi)/\Gamma_{\text{total}}$ Γ_8/Γ

VALUE (units 10 ⁻²)	EVTS	DOCUMENT ID	TECN	COMMENT
1.0^{+1.4}_{-1.3} ± 0.4	5	15 DRUTSKOY 10	BELL	$\gamma(5S) \rightarrow B^{+,0} \pi^- X$

$\Gamma(B \bar{B} \pi \pi)/\Gamma_{\text{total}}$ Γ_9/Γ

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
< 0.089	90	14 HUANG 07	CLEO	$\gamma(5S) \rightarrow \text{hadrons}$

$\Gamma(B \bar{B} \pi \pi)/\Gamma(B \bar{B} X)$ Γ_9/Γ_1

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
< 0.14	90	AQUINES 06	CLE3	$\gamma(5S) \rightarrow \text{hadrons}$

$\Gamma(B_s^{(*)} \bar{B}_s^{(*)})/\Gamma_{\text{total}}$ $\Gamma_{10}/\Gamma = (\Gamma_{11} + \Gamma_{12} + \Gamma_{13})/\Gamma$

VALUE	DOCUMENT ID	TECN	COMMENT
0.199 ± 0.030 OUR EVALUATION			
0.195^{+0.030}_{-0.023} OUR AVERAGE			
0.180 ± 0.013 ± 0.032	16 DRUTSKOY 07	BELL	$\gamma(5S) \rightarrow D^0 X, D_s X$
0.21 ^{+0.06} _{-0.03}	17 HUANG 07	CLEO	$\gamma(5S) \rightarrow D_s X$
• • • We do not use the following data for averages, fits, limits, etc. • • •			
0.160 ± 0.026 ± 0.058	18 ARTUSO 05B	CLEO	$e^+ e^- \rightarrow D_X X$

$$\frac{\Gamma(B_s^{(*)}\bar{B}_s^{(*)})}{\Gamma(B\bar{B}X)} \quad \Gamma_{10}/\Gamma_1$$

VALUE DOCUMENT ID
0.262^{+0.051}_{-0.043} OUR EVALUATION

$$\frac{\Gamma(B_s^*\bar{B}_s^*)}{\Gamma(B_s^{(*)}\bar{B}_s^{(*)})} \quad \Gamma_{13}/\Gamma_{10} = \Gamma_{13}/(\Gamma_{11}+\Gamma_{12}+\Gamma_{13})$$

VALUE (units 10⁻²) DOCUMENT ID TECN COMMENT
90.1^{+3.8}_{-4.0} ± 0.2 19 LOUVOT 09 BELL 10.86 e⁺e⁻ → B_s^(*) $\bar{B}_s^{(*)}$

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

93 ⁺⁷₋₉ ± 1 19 DRUTSKOY 07A BELL Superseded by LOUVOT 09

$$\frac{\Gamma(B_s\bar{B}_s)}{\Gamma(B_s^{(*)}\bar{B}_s^{(*)})} \quad \Gamma_{11}/\Gamma_{10} = \Gamma_{11}/(\Gamma_{11}+\Gamma_{12}+\Gamma_{13})$$

VALUE (units 10⁻²) DOCUMENT ID TECN COMMENT
2.6^{+2.6}_{-2.5} LOUVOT 09 BELL 10.86 e⁺e⁻ → B_s^(*) $\bar{B}_s^{(*)}$

$$\frac{\Gamma(B_s\bar{B}_s)}{\Gamma(B_s^*\bar{B}_s^*)} \quad \Gamma_{11}/\Gamma_{13}$$

VALUE CL% DOCUMENT ID TECN COMMENT
<0.16 90 BONVICINI 06 CLE3 e⁺e⁻

$$\frac{\Gamma(B_s\bar{B}_s^* + \text{c.c.})}{\Gamma(B_s^{(*)}\bar{B}_s^{(*)})} \quad \Gamma_{12}/\Gamma_{10} = \Gamma_{12}/(\Gamma_{11}+\Gamma_{12}+\Gamma_{13})$$

VALUE (units 10⁻²) DOCUMENT ID TECN COMMENT
7.3^{+3.3}_{-3.0} ± 0.1 LOUVOT 09 BELL 10.86 e⁺e⁻ → B_s^(*) $\bar{B}_s^{(*)}$

$$\frac{\Gamma(B_s\bar{B}_s^* + \text{c.c.})}{\Gamma(B_s^*\bar{B}_s^*)} \quad \Gamma_{12}/\Gamma_{13}$$

VALUE CL% DOCUMENT ID TECN COMMENT
<0.16 90 BONVICINI 06 CLE3 e⁺e⁻

$$\frac{\Gamma(\text{no open-bottom})}{\Gamma_{\text{total}}} \quad \Gamma_{14}/\Gamma$$

VALUE DOCUMENT ID
0.042^{+0.046}_{-0.006} OUR EVALUATION

$$\frac{\Gamma(\Upsilon(1S)\pi^+\pi^-)}{\Gamma_{\text{total}}} \quad \Gamma_{16}/\Gamma$$

VALUE (units 10⁻³) EVTS DOCUMENT ID TECN COMMENT
5.3 ± 0.3 ± 0.5 325 20 CHEN 08 BELL 10.87 e⁺e⁻ → $\Upsilon(1S)\pi^+\pi^-$

$$\frac{\Gamma(\Upsilon(2S)\pi^+\pi^-)}{\Gamma_{\text{total}}} \quad \Gamma_{17}/\Gamma$$

VALUE (units 10⁻³) EVTS DOCUMENT ID TECN COMMENT
7.8 ± 0.6 ± 1.1 186 20 CHEN 08 BELL 10.87 e⁺e⁻ → $\Upsilon(2S)\pi^+\pi^-$

$$\frac{\Gamma(\Upsilon(3S)\pi^+\pi^-)}{\Gamma_{\text{total}}} \quad \Gamma_{18}/\Gamma$$

VALUE (units 10⁻³) EVTS DOCUMENT ID TECN COMMENT
4.8^{+1.8}_{-1.5} ± 0.7 10 20 CHEN 08 BELL 10.87 e⁺e⁻ → $\Upsilon(3S)\pi^+\pi^-$

$\Gamma(\Upsilon(1S)K^+K^-)/\Gamma_{\text{total}}$ Γ_{19}/Γ

VALUE (units 10^{-4})	EVTS	DOCUMENT ID	TECN	COMMENT
$6.1^{+1.6}_{-1.4} \pm 1.0$	20	20 CHEN	08	BELL 10.87 $e^+e^- \rightarrow \Upsilon(1S)K^+K^-$

$\Gamma(h_b(1P)\pi^+\pi^-)/\Gamma(\Upsilon(2S)\pi^+\pi^-)$ Γ_{20}/Γ_{17}

VALUE	DOCUMENT ID	TECN	COMMENT
$0.45 \pm 0.08^{+0.07}_{-0.12}$	ADACHI	12	BELL 10.86 $e^+e^- \rightarrow$ hadrons

$\Gamma(h_b(2P)\pi^+\pi^-)/\Gamma(\Upsilon(2S)\pi^+\pi^-)$ Γ_{21}/Γ_{17}

VALUE	DOCUMENT ID	TECN	COMMENT
$0.77 \pm 0.08^{+0.22}_{-0.17}$	ADACHI	12	BELL 10.86 $e^+e^- \rightarrow$ hadrons

$\Gamma(\phi \text{ anything})/\Gamma_{\text{total}}$ Γ_{22}/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
$0.138 \pm 0.007^{+0.023}_{-0.015}$	HUANG	07	CLEO $\Upsilon(5S) \rightarrow \phi X$

$\Gamma(D^0 \text{ anything} + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{23}/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
$1.076 \pm 0.040 \pm 0.068$	DRUTSKOY	07	BELL $\Upsilon(5S) \rightarrow D^0 X$

$\Gamma(D_s \text{ anything} + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{24}/Γ

VALUE	DOCUMENT ID	TECN	COMMENT
0.46 \pm 0.06 OUR AVERAGE			
0.472 \pm 0.024 \pm 0.072	¹⁶ DRUTSKOY	07	BELL $\Upsilon(5S) \rightarrow D_s X$
0.44 \pm 0.09 \pm 0.04	²¹ ARTUSO	05B	CLE3 $e^+e^- \rightarrow D_x X$

$\Gamma(J/\psi \text{ anything})/\Gamma_{\text{total}}$ Γ_{25}/Γ

VALUE (units 10^{-2})	DOCUMENT ID	TECN	COMMENT
$2.060 \pm 0.160 \pm 0.134$	DRUTSKOY	07	BELL $\Upsilon(5S) \rightarrow J/\psi X$

$\Gamma(B^0 \text{ anything} + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{26}/Γ

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
$0.770^{+0.058}_{-0.056} \pm 0.061$	352	DRUTSKOY	10	BELL $\Upsilon(5S) \rightarrow B^0 X$

$\Gamma(B^+ \text{ anything} + \text{c.c.})/\Gamma_{\text{total}}$ Γ_{27}/Γ

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
$0.721^{+0.039}_{-0.038} \pm 0.050$	711	DRUTSKOY	10	BELL $\Upsilon(5S) \rightarrow B^+ X$

¹³ Not independent of DRUTSKOY 10 values for $\Upsilon(5S) \rightarrow B^{\pm,0}$ anything.

¹⁴ Using measurements or limits from AQUINES 06.

¹⁵ Assuming isospin conservation.

¹⁶ Using $B(D_s^+ \rightarrow \phi\pi^+) = (4.4 \pm 0.6)\%$ from PDG 06.

¹⁷ Supersedes ARTUSO 05B. Combining inclusive ϕ , D_s , and B measurements. Using $B(D_s^+ \rightarrow \phi\pi^+) = 4.4 \pm 0.6\%$ from PDG 06.

¹⁸ Uses a model-dependent estimate $B(B_s \rightarrow D_s X) = (92 \pm 11)\%$.

- ¹⁹ From a measurement of $\sigma(e^+e^- \rightarrow B_s^* \bar{B}_s^*) / \sigma(e^+e^- \rightarrow B_s^{(*)} \bar{B}_s^{(*)})$ at $\sqrt{s} = 10.86$ GeV.
- ²⁰ Assuming that the observed events are solely due to the $\Upsilon(5S)$ resonance.
- ²¹ ARTUSO 05B reports $[\Gamma(\Upsilon(10860) \rightarrow D_s \text{ anything} + \text{c.c.}) / \Gamma_{\text{total}}] \times [B(D_s^+ \rightarrow \phi \pi^+)] = 0.0198 \pm 0.0019 \pm 0.0038$ which we divide by our best value $B(D_s^+ \rightarrow \phi \pi^+) = (4.5 \pm 0.4) \times 10^{-2}$. Our first error is their experiment's error and our second error is the systematic error from using our best value.

$\Upsilon(10860)$ REFERENCES

ADACHI	12	PRL 108 032001	I. Adachi <i>et al.</i>	(BELLE Collab.)
CHEN	10	PR D82 091106R	K.-F. Chen <i>et al.</i>	(BELLE Collab.)
DRUTSKOY	10	PR D81 112003	A. Drutskoy <i>et al.</i>	(BELLE Collab.)
AUBERT	09E	PRL 102 012001	B. Aubert <i>et al.</i>	(BABAR Collab.)
LOUVOT	09	PRL 102 021801	R. Louvot <i>et al.</i>	(BELLE Collab.)
CHEN	08	PRL 100 112001	K.-F. Chen <i>et al.</i>	(BELLE Collab.)
DRUTSKOY	07	PRL 98 052001	A. Drutskoy <i>et al.</i>	(BELLE Collab.)
DRUTSKOY	07A	PR D76 012002	A. Drutskoy <i>et al.</i>	(BELLE Collab.)
HUANG	07	PR D75 012002	G.S. Huang <i>et al.</i>	(CLEO Collab.)
AQUINES	06	PRL 96 152001	O. Aquines <i>et al.</i>	(CLEO Collab.)
BONVICINI	06	PRL 96 022002	G. Bonvicini <i>et al.</i>	(CLEO Collab.)
PDG	06	JPG 33 1	W.-M. Yao <i>et al.</i>	(PDG Collab.)
ARTUSO	05B	PRL 95 261801	M. Artuso <i>et al.</i>	(CLEO Collab.)
BESSON	85	PRL 54 381	D. Besson <i>et al.</i>	(CLEO Collab.)
LOVELOCK	85	PRL 54 377	D.M.J. Lovelock <i>et al.</i>	(CUSB Collab.)