

# $\Upsilon(10860)$

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

## $\Upsilon(10860)$ MASS

<u>VALUE (GeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>10.865 ± 0.008 OUR AVERAGE</b>	Error includes scale factor of 1.1.		
10.868 ± 0.006 ± 0.005	BESSION	85 CLEO	$e^+e^- \rightarrow$ hadrons
10.845 ± 0.020	LOVELOCK	85 CUSB	$e^+e^- \rightarrow$ hadrons

## $\Upsilon(10860)$ WIDTH

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>110 ± 13 OUR AVERAGE</b>			
112 ± 17 ± 23	BESSION	85 CLEO	$e^+e^- \rightarrow$ hadrons
110 ± 15	LOVELOCK	85 CUSB	$e^+e^- \rightarrow$ hadrons

## $\Upsilon(10860)$ DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad e^+e^-$	$(2.8 \pm 0.7) \times 10^{-6}$

## $\Upsilon(10860)$ PARTIAL WIDTHS

<u>VALUE (keV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	$\Gamma_1$
<b>0.31 ± 0.07 OUR AVERAGE</b>	Error includes scale factor of 1.3.			
0.22 ± 0.05 ± 0.07	BESSION	85 CLEO	$e^+e^- \rightarrow$ hadrons	
0.365 ± 0.070	LOVELOCK	85 CUSB	$e^+e^- \rightarrow$ hadrons	

## $\Upsilon(10860)$ REFERENCES

BESSION	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.)