

$\Upsilon(11020)$ 

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

### $\Upsilon(11020)$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>11019 ± 8 OUR AVERAGE</b>			
11019 ± 5 ± 7	BESSION	85	CLEO $e^+e^- \rightarrow$ hadrons
11020 ± 30	LOVELOCK	85	CUSB $e^+e^- \rightarrow$ hadrons
• • • We do not use the following data for averages, fits, limits, etc. • • •			
10996 ± 2	<sup>1</sup> AUBERT	09E	BABR $e^+e^- \rightarrow$ hadrons
<sup>1</sup> 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.			

### $\Upsilon(11020)$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>79 ± 16 OUR AVERAGE</b>			
61 ± 13 ± 22	BESSION	85	CLEO $e^+e^- \rightarrow$ hadrons
90 ± 20	LOVELOCK	85	CUSB $e^+e^- \rightarrow$ hadrons
• • • We do not use the following data for averages, fits, limits, etc. • • •			
37 ± 3	<sup>2</sup> AUBERT	09E	BABR $e^+e^- \rightarrow$ hadrons
<sup>2</sup> 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.			

### $\Upsilon(11020)$ DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1$ $e^+e^-$	$(1.6 \pm 0.5) \times 10^{-6}$

### $\Upsilon(11020)$ PARTIAL WIDTHS

$\Gamma(e^+e^-)$	DOCUMENT ID	TECN	COMMENT	$\Gamma_1$
<b>0.130 ± 0.030 OUR AVERAGE</b>				
0.095 ± 0.03 ± 0.035	BESSION	85	CLEO $e^+e^- \rightarrow$ hadrons	
0.156 ± 0.040	LOVELOCK	85	CUSB $e^+e^- \rightarrow$ hadrons	

### $\Upsilon(11020)$ REFERENCES

AUBERT	09E	PRL 102 012001	B. Aubert <i>et al.</i>	(BABAR Collab.)
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.)