

$\Upsilon(11020)$

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

 $\Upsilon(11020)$ MASS

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
11019 ± 8 OUR AVERAGE			
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	¹ AUBERT	09E	BABR $e^+e^- \rightarrow$ 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.			

 $\Upsilon(11020)$ WIDTH

<u>VALUE (MeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
79 ± 16 OUR AVERAGE			
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	² AUBERT	09E	BABR $e^+e^- \rightarrow$ hadrons
² 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 (Γ_i/Γ)
Γ_1 e^+e^-	$(1.6 \pm 0.5) \times 10^{-6}$

 $\Upsilon(11020)$ PARTIAL WIDTHS

$\Gamma(e^+e^-)$	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	Γ_1
0.130 ± 0.030 OUR AVERAGE				
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.)