

$\Upsilon(11020)$

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

$\Upsilon(11020)$ MASS

<u>VALUE (GeV)</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
11.019±0.008 OUR AVERAGE			
11.019±0.005±0.007	BESSION	85	CLEO $e^+e^- \rightarrow$ hadrons
11.020±0.030	LOVELOCK	85	CUSB $e^+e^- \rightarrow$ hadrons
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
10.996±0.002	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)
$\Gamma_1 \quad e^+e^-$	$(1.6\pm 0.5) \times 10^{-6}$

$\Upsilon(11020)$ PARTIAL WIDTHS

<u>$\Gamma(e^+e^-)$</u>	<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.)