



$$I(J^P) = 0(1^-)$$

OMITTED FROM SUMMARY TABLE

$I, J, P$  need confirmation. Quantum numbers shown are quark-model predictions.

### $B_s^*$ MASS

From mass difference below and the  $B_s^0$  mass.

VALUE (MeV)	DOCUMENT ID
<b>5416.3 ± 3.3 OUR FIT</b>	

### $m_{B_s^*} - m_{B_s}$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>47.0 ± 2.6 OUR FIT</b>			
<b>47.0 ± 2.6</b>	<sup>1</sup> LEE-FRANZINI 90	CSB2	$e^+ e^- \rightarrow \gamma(5S)$
<sup>1</sup> LEE-FRANZINI 90 measure $46.7 \pm 0.4 \pm 0.2$ MeV for an admixture of $B^0, B^+$ , and $B_s$ . They use the shape of the photon line to separate the above value for $B_s$ .			

### $|(m_{B_s^*} - m_{B_s}) - (m_{B^*} - m_B)|$

VALUE (MeV)	CL%	DOCUMENT ID	TECN	COMMENT
<b>&lt;6</b>	95	ABREU	95R DLPH	$E_{cm}^{ee} = 88-94$ GeV

### $B_s^*$ DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad B_s \gamma$	dominant

### $B_s^*$ REFERENCES

ABREU	95R	ZPHY C68 353	+Adam, Adye, Agasi+	(DELPHI Collab.)
LEE-FRANZINI	90	PRL 65 2947	+Heintz, Lovelock, Narain, Schamberger+	(CUSB II Collab.)