B_s^*

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

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*
5416.3±3.3 OUR FIT	

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

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
47.0±2.6 OUR FIT				
47.0±2.6	[1] LEE-FRANZINI	90	CSB2	$e^+e^- \rightarrow \Upsilon(5S)$

[1] LEE-FRANZINI 90 measure 46.7 ± 0.4 ± 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.

$\left|(m_{B_s^*} - m_{B_s}) - (m_{B^*} - m_B)\right|$

VALUE (MeV)	*CL%*	*DOCUMENT ID*		*TECN*	*COMMENT*
<6	95	ABREU	95R	DLPH	$E_{\rm cm}^{ee}$ = 88–94 GeV

B_s^* DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$B_s\gamma$	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.)