

$h_b(1P)$

$$I^G(J^{PC}) = ??(1^{+-})$$

Quantum numbers are quark model predictions, $C = -$ established by $\eta_b \gamma$ decay.

$h_b(1P)$ MASS

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
9898.6 ± 1.4 OUR AVERAGE				
9898.2 ^{+1.1+1.0} _{-1.0-1.1}	50.0k	ADACHI	12 BELL	10.86 e ⁺ e ⁻ → π ⁺ π ⁻ MM
9902 ± 4 ± 2	10.8k	LEES	11K BABR	γ(3S) → η _b γπ ⁰

$h_b(1P)$ DECAY MODES

Mode	Fraction (Γ _{<i>i</i>} /Γ)
Γ ₁ η _b (1S)γ	seen

$h_b(1P)$ BRANCHING RATIOS

<u>Γ(η_b(1S)γ)/Γ_{total}</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>	<u>Γ₁/Γ</u>
seen	10.8k	LEES	11K BABR	γ(3S) → η _b γπ ⁰	

$h_b(1P)$ REFERENCES

ADACHI	12	PRL 108 032001	I. Adachi <i>et al.</i>	(BELLE Collab.)
LEES	11K	PR D84 091101	J.P. Lees <i>et al.</i>	(BABAR Collab.)