$\Omega_b(6340)^-$

$I(J^P) = ?(?^?)$ Status: $\ast\ast\ast$
I, J, P need confirmation.

$\Omega_b(6340)^-$ MASS

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
6339.7±0.3±0.5	[1] AAIJ	20T	LHCB	pp at 7, 8, 13 TeV

[1] AAIJ 20T measures $m(\Omega_b(6340)^-) - m(\Xi_b^0) = 547.81 \pm 0.26 \pm 0.05$ MeV. We have adjusted the measurement to our best values of $m(\Xi_b^0) = 5791.9 \pm 0.5$ MeV. Our first error is their experiment's error and our second error is the systematic error from using our best values.

$\Omega_b(6340)^-$ WIDTH

VALUE (MeV)	CL%	DOCUMENT ID	TECN	COMMENT
<1.8	95	AAIJ	20T LHCB	pp at 7, 8, 13 TeV

$\Omega_b(6340)^-$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$\Xi_b^0 K^-$	seen

$\Omega_b(6340)^-$ BRANCHING RATIOS

$\Gamma(\Xi_b^0 K^-)/\Gamma_{total}$ Γ_1/Γ

VALUE	DOCUMENT ID		TECN	COMMENT
seen	AAIJ	20T	LHCB	pp at 7, 8, 13 TeV

$\Omega_b(6340)^-$ REFERENCES

AAIJ   20T   PRL 124 082002   R. Aaij *et al.*   (LHCb Collab.)