

$\Omega_b(6340)^-$

$I(J^P) = ?(?^?)$ Status: ***
 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)
$\Gamma_1 \quad \Xi_b^0 K^-$	seen

 $\Omega_b(6340)^-$ BRANCHING RATIOS

$\Gamma(\Xi_b^0 K^-)/\Gamma_{\text{total}}$	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.)
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