

$\Omega_b(6350)^-$

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

 $\Omega_b(6350)^-$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
6349.8 ± 0.4 ± 0.5	¹ AAIJ	20T LHCB	<i>pp</i> at 7, 8, 13 TeV

¹ AAIJ 20T measures $m(\Omega_b(6350)^-) - m(\Xi_b^0) = 557.98 \pm 0.35 \pm 0.05$ 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.

 $\Omega_b(6350)^-$ WIDTH

VALUE (MeV)	CL%	DOCUMENT ID	TECN	COMMENT
<3.2	95	AAIJ	20T LHCB	<i>pp</i> at 7, 8, 13 TeV

 $\Omega_b(6350)^-$ DECAY MODES

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad \Xi_b^0 K^-$	seen

 $\Omega_b(6350)^-$ BRANCHING RATIOS

$\Gamma(\Xi_b^0 K^-)/\Gamma_{\text{total}}$	Γ_1/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
seen	AAIJ	20T LHCB	<i>pp</i> at 7, 8, 13 TeV

 $\Omega_b(6350)^-$ REFERENCES

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