

$\Omega_b(6350)^-$

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

NODE=B196

$\Omega_b(6350)^-$ MASS

NODE=B196M

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
6349.8±0.4±0.5	¹ AAIJ	20T LHCb	pp 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.			

NODE=B196M

NODE=B196M;LINKAGE=A

$\Omega_b(6350)^-$ WIDTH

NODE=B196W

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

NODE=B196W

$\Omega_b(6350)^-$ DECAY MODES

NODE=B196215;NODE=B196

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

DESIG=1

$\Omega_b(6350)^-$ BRANCHING RATIOS

NODE=B196220

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

NODE=B196R01
NODE=B196R01

$\Omega_b(6350)^-$ REFERENCES

NODE=B196

AAIJ	20T	PRL 124 082002	R. Aaij <i>et al.</i>	(LHCb Collab.)
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REFID=60534