

**$\Omega_b(6350)^-$**

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

**$\Omega_b(6350)^-$  MASS**

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

<sup>1</sup> 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
<b>&lt;3.2</b>	95	AAIJ	20T LHCB	<i>pp</i> at 7, 8, 13 TeV

**$\Omega_b(6350)^-$  DECAY MODES**

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad \Xi_b^0 K^-$	seen

**$\Omega_b(6350)^-$  BRANCHING RATIOS**

$\Gamma(\Xi_b^0 K^-)/\Gamma_{\text{total}}$				$\Gamma_1/\Gamma$
VALUE	DOCUMENT ID	TECN	COMMENT	
<b>seen</b>	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.)