

**$\Omega_b(6340)^-$**

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

**$\Omega_b(6340)^-$  MASS**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>6339.7 ± 0.3 ± 0.5</b>	<sup>1</sup> AAIJ	20T LHCB	<i>pp</i> at 7, 8, 13 TeV

<sup>1</sup> AAIJ 20T measures  $m(\Omega_b(6340)^-) - m(\Xi_b^0) = 547.81 \pm 0.26 \pm 0.05$  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
<b>&lt;1.8</b>	95	AAIJ	20T LHCB	<i>pp</i> at 7, 8, 13 TeV

**$\Omega_b(6340)^-$  DECAY MODES**

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

**$\Omega_b(6340)^-$  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

**$\Omega_b(6340)^-$  REFERENCES**

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