

$\Omega_b(6316)^-$ 

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

OMITTED FROM SUMMARY TABLE

 $\Omega_b(6316)^-$  MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b><math>6315.6 \pm 0.3 \pm 0.5</math></b>	<sup>1</sup> AAIJ	20T LHCb	<i>pp</i> at 7, 8, 13 TeV
<sup>1</sup> AAIJ 20T measures $m(\Omega_b(6316)^-) - m(\Xi_b^0) = 523.74 \pm 0.31 \pm 0.07$ 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.			

 $\Omega_b(6316)^-$  WIDTH

VALUE (MeV)	CL%	DOCUMENT ID	TECN	COMMENT
<b>&lt;4.2</b>	95	AAIJ	20T LHCb	<i>pp</i> at 7, 8, 13 TeV

 $\Omega_b(6316)^-$  DECAY MODES

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

 $\Omega_b(6316)^-$  BRANCHING RATIOS

$\Gamma(\Xi_b^0 K^-)/\Gamma_{\text{total}}$	DOCUMENT ID	TECN	COMMENT	$\Gamma_1/\Gamma$
<b>seen</b>	<sup>1</sup> AAIJ	20T LHCb	<i>pp</i> at 7, 8, 13 TeV	
<sup>1</sup> AAIJ 20T establishes the decay at 2.1 $\sigma$ significance level.				

 $\Omega_b(6316)^-$  REFERENCES

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