

$\Xi_b(6095)^0$	$I(J^P) = \frac{1}{2}(\frac{3}{2}^-)$	Status: ***
	J, P need confirmation.	

$\Xi_b(6095)^0$ MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
6095.1±0.2±0.4	1,2 AAIJ	23AU LHCb	$p p$ at 7, 8, 13 TeV
¹ Observed in $\Xi_b^0 \pi^+ \pi^-$ channel with $\Xi_b^0 \rightarrow \Xi_c^+ \pi^-$ and $\Xi_b^0 \rightarrow \Xi_c^+ \pi^- \pi^+ \pi^-$ and $\Xi_c^+ \rightarrow p K^- \pi^+$. Measured as mass difference, listed separately.			
² AAIJ 23AU measures $m(\Xi_b(6095)^0) - m(\Xi_b^0) - 2m(\pi^\pm) = 24.32 \pm 0.15 \pm 0.03$ MeV. We have adjusted the measurement to our best values of $m(\Xi_b^0) = 5791.7 \pm 0.4$ MeV, $m(\pi^\pm) = 139.57039 \pm 0.00018$ MeV. Our first error is their experiment's error and our second error is the systematic error from using our best values.			

$\Xi_b(6095)^0$ WIDTH

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
0.50±0.33±0.11	1 AAIJ	23AU LHCb	$p p$ at 7, 8, 13 TeV
¹ Observed in $\Xi_b^0 \pi^+ \pi^-$ channel with $\Xi_b^0 \rightarrow \Xi_c^+ \pi^-$ and $\Xi_b^0 \rightarrow \Xi_c^+ \pi^- \pi^+ \pi^-$ and $\Xi_c^+ \rightarrow p K^- \pi^+$			

$\Xi_b(6095)^0$ DECAY MODES

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

$\Xi_b(6095)^0$ BRANCHING RATIOS

$\Gamma(\Xi_b^0 \pi^+ \pi^-)/\Gamma_{\text{total}}$	Γ_1/Γ
<i>VALUE</i>	
seen	AAIJ 23AU LHCb $p p$ at 7, 8, 13 TeV

$\Xi_b(6095)^0$ REFERENCES

AAIJ 23AU PRL 131 171901 R. Aaij *et al.* (LHCb Collab.)