

$$I(J^P) = \frac{1}{2}(\frac{1}{2}^+) \text{ Status: } ***$$

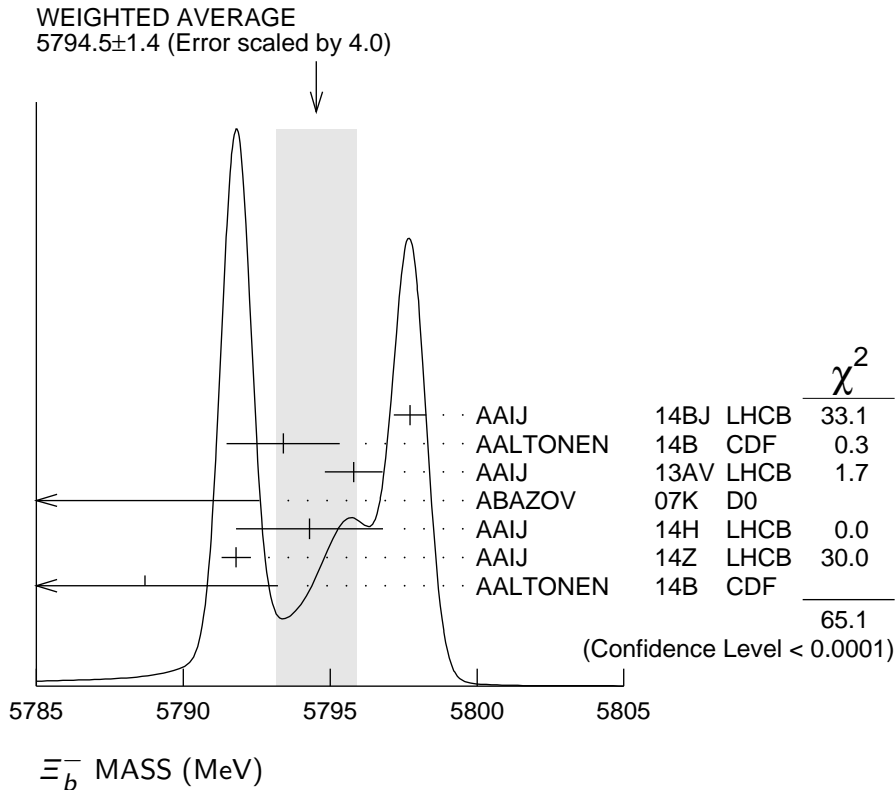
I, J, P need confirmation.

In the quark model, Ξ_b^0 and Ξ_b^- are an isodoublet (usb, dsb) state; the lowest Ξ_b^0 and Ξ_b^- ought to have $J^P = 1/2^+$. None of I, J , or P have actually been measured.

Ξ_b MASSES

Ξ_b^- MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
5794.5 ± 1.4 OUR AVERAGE	Includes data from the datablock that follows this one. Error includes scale factor of 4.0. See the ideogram below.		
5797.72 ± 0.46 ± 0.31	1 AAIJ	14BJ LHCB	pp at 7, 8 TeV
5793.4 ± 1.8 ± 0.7	2 AALTONEN	14B CDF	$p\bar{p}$ at 1.96 TeV
5795.8 ± 0.9 ± 0.4	3 AAIJ	13AV LHCB	pp at 7 TeV
5774 ± 11 ± 15	4 ABAZOV	07K D0	$p\bar{p}$ at 1.96 TeV
● ● ● We do not use the following data for averages, fits, limits, etc. ● ● ●			
5796.7 ± 5.1 ± 1.4	5 AALTONEN	11X CDF	Repl. by AALTONEN 14B
5790.9 ± 2.6 ± 0.8	6 AALTONEN	09AP CDF	Repl. by AALTONEN 14B
5792.9 ± 2.5 ± 1.7	7 AALTONEN	07A CDF	Repl. by AALTONEN 09AP



- ¹ Reconstructed in $\Xi_b^- \rightarrow \Xi_c^0 \pi^-$, $\Xi_c^0 \rightarrow p K^- K^- \pi^+$ decays. Reference Λ_b^0 mass 5619.30 ± 0.34 MeV from AAIJ 14AA.
- ² Uses $\Xi_b^- \rightarrow J/\psi \Xi^-$ and $\Xi_c^0 \pi^-$ decays.
- ³ Measured in $\Xi_b^- \rightarrow J/\psi \Xi^-$ decays.
- ⁴ Observed in $\Xi_b^- \rightarrow J/\psi \Xi^-$ decays with $15.2 \pm 4.4^{+1.9}_{-0.4}$ candidates, a significance of 5.5 sigma.
- ⁵ Measured in $\Xi_b^- \rightarrow \Xi_c^0 \pi^-$ with $25.8^{+5.5}_{-5.2}$ candidates.
- ⁶ Measured in $\Xi_b^- \rightarrow J/\psi \Xi^-$ decays with 66^{+14}_{-9} candidates.
- ⁷ Observed in $\Xi_b^- \rightarrow J/\psi \Xi^-$ decays with 17.5 ± 4.3 candidates, a significance of 7.7 sigma.

Ξ_b^0 MASS

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
The data in this block is included in the average printed for a previous datablock.			

5791.9 ± 0.5 OUR AVERAGE

5794.3 ± 2.4 ± 0.7	AAIJ	14H	LHCB	pp at 7 TeV
5791.80 ± 0.39 ± 0.31	¹ AAIJ	14Z	LHCB	pp at 7, 8 TeV
5788.7 ± 4.3 ± 1.4	² AALTONEN	14B	CDF	$p\bar{p}$ at 1.96 TeV
• • • We do not use the following data for averages, fits, limits, etc. • • •				
5787.8 ± 5.0 ± 1.3	³ AALTONEN	11X	CDF	Repl. by AALTONEN 14B

- ¹ Uses $\Xi_b^0 \rightarrow \Xi_c^+ \pi^-$ and $\Xi_c^+ \rightarrow p K^- \pi^+$ decays. The measurement comes from the mass difference of Ξ_b^0 and Λ_b^0 .
- ² Uses $\Xi_b^0 \rightarrow \Xi_c^+ \pi^-$ decays.
- ³ Measured in $\Xi_b^0 \rightarrow \Xi_c^+ \pi^-$ with $25.3^{+5.6}_{-5.4}$ candidates.

$m_{\Xi_b^-} - m_{\Lambda_b^0}$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
177.5 ± 0.5 OUR AVERAGE	Error includes scale factor of 1.6.		

177.73 ± 0.33 ± 0.14	¹ AAIJ	17BE	LHCB	pp at 7, 8 TeV
176.2 ± 0.9 ± 0.1	² AAIJ	13AV	LHCB	pp at 7 TeV
• • • We do not use the following data for averages, fits, limits, etc. • • •				
177.08 ± 0.47 ± 0.16	³ AAIJ	17BE	LHCB	pp at 7, 8 TeV
178.36 ± 0.46 ± 0.16	^{4,5} AAIJ	14BJ	LHCB	pp at 7, 8 TeV

- ¹ Combination of the original statistically independent measurements of AAIJ 14BE and AAIJ 17BJ taking into account correlation between systematic uncertainties.
- ² Reconstructed in $\Xi_b^- \rightarrow J/\psi \Xi^-$ decays.
- ³ Reconstructed in $\Xi_b^- \rightarrow J/\psi \Lambda K^-$ decays. Reference decays $\Lambda_b^0 \rightarrow J/\psi \Lambda$ were used.
- ⁴ Reconstructed in $\Xi_b^- \rightarrow \Xi_c^0 \pi^-$, $\Xi_c^0 \rightarrow p K^- K^- \pi^+$ decays. Reference $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$.
- ⁵ Combined with AAIJ 17BE.

$m_{\Xi_b^0} - m_{\Lambda_b^0}$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
172.5 ± 0.4 OUR AVERAGE			

174.8 ± 2.4 ± 0.5	AAIJ	14H	LHCB	pp at 7 TeV
172.44 ± 0.39 ± 0.17	¹ AAIJ	14Z	LHCB	pp at 7, 8 TeV

- ¹ Uses $\Xi_b^0 \rightarrow \Xi_c^+ \pi^-$ and $\Xi_c^+ \rightarrow p K^- \pi^+$ decays.

$$m_{\Xi_b^-} - m_{\Xi_b^0}$$

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
5.9 ± 0.6 OUR AVERAGE			
5.92 ± 0.60 ± 0.23	¹ AAIJ	14BJ LHCB	$p\bar{p}$ at 7, 8 TeV
3.1 ± 5.6 ± 1.3	² AALTONEN	11X CDF	$p\bar{p}$ at 1.96 TeV
¹ Reconstructed in $\Xi_b^- \rightarrow \Xi_c^0 \pi^-$, $\Xi_c^0 \rightarrow p K^- K^- \pi^+$ decays. Uses $m(\Xi_b^0) - m(\Lambda_b^0) = 172.44 \pm 0.39 \pm 0.17$ MeV from AAIJ 14Z.			
² Derived from measurements in $\Xi_b^0 \rightarrow \Xi_c^+ \pi^-$ and $\Xi_b^- \rightarrow J/\psi \Xi^-$ from AALTONEN 09AP taking correlated systematic uncertainties into account.			

Ξ_b MEAN LIFE

“OUR EVALUATION” is an average using rescaled values of the data listed below. The average and rescaling were performed by the Heavy Flavor Averaging Group (HFLAV) and are described at <http://www.slac.stanford.edu/xorg/hflav/>. The averaging/rescaling procedure takes into account correlations between the measurements and asymmetric lifetime errors.

Ξ_b^- MEAN LIFE

VALUE (10^{-12} s)	DOCUMENT ID	TECN	COMMENT
1.571 ± 0.040 OUR EVALUATION			
1.57 ± 0.04 OUR AVERAGE			Error includes scale factor of 1.1.
1.599 ± 0.041 ± 0.022	¹ AAIJ	14BJ LHCB	$p\bar{p}$ at 7, 8 TeV
1.55 $^{+0.10}_{-0.09}$ ± 0.03	² AAIJ	14T LHCB	$p\bar{p}$ at 7, 8 TeV
1.36 ± 0.15 ± 0.02	AALTONEN	14B CDF	$p\bar{p}$ at 1.96 TeV
• • • We do not use the following data for averages, fits, limits, etc. • • •			
1.56 $^{+0.27}_{-0.25}$ ± 0.02	³ AALTONEN	09AP CDF	Repl. by AALTONEN 14B
¹ Reconstructed in $\Xi_b^- \rightarrow \Xi_c^0 \pi^-$, $\Xi_c^0 \rightarrow p K^- K^- \pi^+$ decays. Reference Λ_b^0 lifetime $1.479 \pm 0.009 \pm 0.010$ ps from AAIJ 14U.			
² Measured in $\Xi_b^- \rightarrow J/\psi \Xi^-$ decays.			
³ Measured in $\Xi_b^- \rightarrow J/\psi \Xi^-$ decays with 66^{+14}_{-9} candidates.			

Ξ_b^0 MEAN LIFE

VALUE (10^{-12} s)	DOCUMENT ID	TECN	COMMENT
1.479 ± 0.031 OUR EVALUATION			
1.477 ± 0.026 ± 0.019	¹ AAIJ	14Z LHCB	$p\bar{p}$ at 7, 8 TeV
¹ Uses $\Xi_b^0 \rightarrow \Xi_c^+ \pi^-$ and $\Xi_c^+ \rightarrow p K^- \pi^+$ decays. The measurement comes from the value of relative lifetime of Ξ_b^0 to Λ_b^0 .			

Ξ_b MEAN LIFE

VALUE (10^{-12} s)	DOCUMENT ID	TECN	COMMENT
$1.48^{+0.40}_{-0.31} \pm 0.12$	¹ ABDALLAH	05C DLPH	$e^+ e^- \rightarrow Z^0$
$1.35^{+0.37+0.15}_{-0.28-0.17}$	² BUSKULIC	96T ALEP	$e^+ e^- \rightarrow Z$
$1.5^{+0.7}_{-0.4} \pm 0.3$	³ ABREU	95V DLPH	Repl. by ABDALLAH 05C

- • • We do not use the following data for averages, fits, limits, etc. • • •
- ¹ Used the decay length of Ξ^- accompanied by a lepton of the same sign.
- ² Excess $\Xi^- \ell^-$, impact parameters.
- ³ Excess $\Xi^- \ell^-$, decay lengths.

τ_{mix} ($1/2\pi$) times the oscillation period

VALUE (s)	DOCUMENT ID	TECN	COMMENT
$>13 \times 10^{-12}$	¹ AAIJ	17BH LHCB	pp at 7, 8 TeV

¹ Uses Ξ_b^{*-} and $\Xi_b^{\prime-}$ decays to $\Xi_b^0 \pi^-$, where $\Xi_b^0 \rightarrow \Xi_c^+ \pi^-$, $\Xi_c^+ \rightarrow p K^- \pi^+$.

MEAN LIFE RATIOS

$\tau_{\Xi_b^-} / \tau_{\Lambda_b^0}$ mean life ratio

VALUE	DOCUMENT ID	TECN	COMMENT
$1.089 \pm 0.026 \pm 0.011$	¹ AAIJ	14BJ LHCB	pp at 7, 8 TeV

¹ Reconstructed in $\Xi_b^- \rightarrow \Xi_c^0 \pi^-$, $\Xi_c^0 \rightarrow p K^- K^- \pi^+$ decays. Reference $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$.

$\tau_{\Xi_b^-} / \tau_{\Xi_b^0}$ mean life ratio

VALUE	DOCUMENT ID	TECN	COMMENT
$1.083 \pm 0.032 \pm 0.016$	¹ AAIJ	14BJ LHCB	pp at 7, 8 TeV

¹ Reconstructed in $\Xi_b^- \rightarrow \Xi_c^0 \pi^-$, $\Xi_c^0 \rightarrow p K^- K^- \pi^+$ decays. Uses Ξ_b^0 measurements from AAIJ 14Z.

Ξ_b DECAY MODES

Mode	Fraction (Γ_j/Γ)	Scale factor/ Confidence level
$\Gamma_1 \quad \Xi^- \ell^- \bar{\nu}_\ell X \times B(\bar{b} \rightarrow \Xi_b^-)$	$(3.9 \pm 1.2) \times 10^{-4}$	S=1.4
$\Gamma_2 \quad J/\psi \Xi^- \times B(b \rightarrow \Xi_b^-)$	$(1.02^{+0.26}_{-0.21}) \times 10^{-5}$	
$\Gamma_3 \quad J/\psi \Lambda K^- \times B(b \rightarrow \Xi_b^-)$	$(2.5 \pm 0.4) \times 10^{-6}$	
$\Gamma_4 \quad p D^0 K^- \times B(\bar{b} \rightarrow \Xi_b^-)$	$(1.8 \pm 0.6) \times 10^{-6}$	
$\Gamma_5 \quad p \bar{K}^0 \pi^- \times B(\bar{b} \rightarrow \Xi_b^-)/B(\bar{b} \rightarrow B^0)$	$< 1.6 \times 10^{-6}$	CL=90%
$\Gamma_6 \quad p K^0 K^- \times B(\bar{b} \rightarrow \Xi_b^-)/B(\bar{b} \rightarrow B^0)$	$< 1.1 \times 10^{-6}$	CL=90%
$\Gamma_7 \quad p K^- K^- \times B(\bar{b} \rightarrow \Xi_b^-)$	$(3.6 \pm 0.8) \times 10^{-8}$	

Γ_8	$\rho K^- K^-$				
Γ_9	$\rho \pi^- \pi^-$				
Γ_{10}	$\rho K^- \pi^-$				
Γ_{11}	$\Lambda \pi^+ \pi^- \times B(b \rightarrow \Xi_b^0)/B(b \rightarrow \Lambda_b^0)$	< 1.7	$\times 10^{-6}$		CL=90%
Γ_{12}	$\Lambda K^- \pi^+ \times B(b \rightarrow \Xi_b^0)/B(b \rightarrow \Lambda_b^0)$	< 8	$\times 10^{-7}$		CL=90%
Γ_{13}	$\Lambda K^+ K^- \times B(b \rightarrow \Xi_b^0)/B(b \rightarrow \Lambda_b^0)$	< 3	$\times 10^{-7}$		CL=90%
Γ_{14}	$\Lambda_c^+ K^- \times B(\bar{b} \rightarrow \Xi_b^-)$	(6 ± 4)	$\times 10^{-7}$		
Γ_{15}	$\Lambda_b^0 \pi^- \times B(b \rightarrow \Xi_b^-)/B(b \rightarrow \Lambda_b^0)$	(5.7 ± 2.0)	$\times 10^{-4}$		

Ξ_b BRANCHING RATIOS

$\Gamma(\Xi^- \ell^- \bar{\nu}_\ell X \times B(\bar{b} \rightarrow \Xi_b^-))/\Gamma_{\text{total}}$ Γ_1/Γ

VALUE (units 10^{-4})	DOCUMENT ID	TECN	COMMENT
3.9 ± 1.2 OUR AVERAGE	Error includes scale factor of 1.4.		
$3.0 \pm 1.0 \pm 0.3$	ABDALLAH	05C	DLPH $e^+ e^- \rightarrow Z^0$
$5.4 \pm 1.1 \pm 0.8$	BUSKULIC	96T	ALEP Excess $\Xi^- \ell^-$ over $\Xi^- \ell^+$
• • • We do not use the following data for averages, fits, limits, etc. • • •			
$5.9 \pm 2.1 \pm 1.0$	ABREU	95V	DLPH Repl. by ABDALLAH 05C

$\Gamma(J/\psi \Xi^- \times B(b \rightarrow \Xi_b^-))/\Gamma_{\text{total}}$ Γ_2/Γ

VALUE (units 10^{-4})	DOCUMENT ID	TECN	COMMENT
$0.102^{+0.026}_{-0.021}$ OUR AVERAGE			

$0.098^{+0.023}_{-0.016} \pm 0.014$	¹ AALTONEN	09AP	CDF $p\bar{p}$ at 1.96 TeV
$0.16 \pm 0.07 \pm 0.02$	² ABAZOV	07K	D0 $p\bar{p}$ at 1.96 TeV

¹ AALTONEN 09AP reports $[\Gamma(\Xi_b^- \rightarrow J/\psi \Xi^- \times B(b \rightarrow \Xi_b^-))/\Gamma_{\text{total}}] / [B(\Lambda_b^0 \rightarrow J/\psi(1S)\Lambda \times B(b \rightarrow \Lambda_b^0))] = 0.167^{+0.037}_{-0.025} \pm 0.012$ which we multiply by our best value $B(\Lambda_b^0 \rightarrow J/\psi(1S)\Lambda \times B(b \rightarrow \Lambda_b^0)) = (5.8 \pm 0.8) \times 10^{-5}$. Our first error is their experiment's error and our second error is the systematic error from using our best value.

² ABAZOV 07K reports $[\Gamma(\Xi_b^- \rightarrow J/\psi \Xi^- \times B(b \rightarrow \Xi_b^-))/\Gamma_{\text{total}}] / [B(\Lambda_b^0 \rightarrow J/\psi(1S)\Lambda \times B(b \rightarrow \Lambda_b^0))] = 0.28 \pm 0.09^{+0.09}_{-0.08}$ which we multiply by our best value $B(\Lambda_b^0 \rightarrow J/\psi(1S)\Lambda \times B(b \rightarrow \Lambda_b^0)) = (5.8 \pm 0.8) \times 10^{-5}$. Our first error is their experiment's error and our second error is the systematic error from using our best value.

$\Gamma(J/\psi \Lambda K^- \times B(b \rightarrow \Xi_b^-))/\Gamma_{\text{total}}$ Γ_3/Γ

VALUE (units 10^{-6})	DOCUMENT ID	TECN	COMMENT
$2.45 \pm 0.19 \pm 0.35$	^{1,2} AAIJ	17BE	LHCB $p\bar{p}$ at 7 and 8 TeV

¹ AAIJ 17BE reports $[\Gamma(\Xi_b^- \rightarrow J/\psi \Lambda K^- \times B(b \rightarrow \Xi_b^-)) / \Gamma_{\text{total}}] / [B(\Lambda_b^0 \rightarrow J/\psi(1S) \Lambda \times B(b \rightarrow \Lambda_b^0))] = (4.19 \pm 0.29 \pm 0.15) \times 10^{-2}$ which we multiply by our best value $B(\Lambda_b^0 \rightarrow J/\psi(1S) \Lambda \times B(b \rightarrow \Lambda_b^0)) = (5.8 \pm 0.8) \times 10^{-5}$. Our first error is their experiment's error and our second error is the systematic error from using our best value.

² Integrated over the b -baryon transverse momentum $p_T < 25$ GeV and rapidity $2.0 < y < 4.5$.

$\Gamma(\rho D^0 K^- \times B(\bar{b} \rightarrow \Xi_b^-)) / \Gamma_{\text{total}} \quad \Gamma_4 / \Gamma$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
$(1.8 \pm 0.4 \pm 0.4) \times 10^{-6}$		¹ AAIJ	14H LHCb	pp at 7 TeV

¹ AAIJ 14H reports $[\Gamma(\Xi_b^- \rightarrow \rho D^0 K^- \times B(\bar{b} \rightarrow \Xi_b^-)) / \Gamma_{\text{total}}] / [B(\bar{b} \rightarrow b\text{-baryon})] / [B(\Lambda_b^0 \rightarrow \rho D^0 K^-)] = 0.44 \pm 0.09 \pm 0.06$ which we multiply by our best values $B(\bar{b} \rightarrow b\text{-baryon}) = (8.9 \pm 1.2) \times 10^{-2}$, $B(\Lambda_b^0 \rightarrow \rho D^0 K^-) = (4.6 \pm 0.8) \times 10^{-5}$. Our first error is their experiment's error and our second error is the systematic error from using our best values.

$\Gamma(\rho \bar{K}^0 \pi^- \times B(\bar{b} \rightarrow \Xi_b^-)) / B(\bar{b} \rightarrow B^0) / \Gamma_{\text{total}} \quad \Gamma_5 / \Gamma$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
$< 1.6 \times 10^{-6}$	90	AAIJ	14Q LHCb	pp at 7 TeV

$\Gamma(\rho K^0 K^- \times B(\bar{b} \rightarrow \Xi_b^-)) / B(\bar{b} \rightarrow B^0) / \Gamma_{\text{total}} \quad \Gamma_6 / \Gamma$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
$< 1.1 \times 10^{-6}$	90	AAIJ	14Q LHCb	pp at 7 TeV

$\Gamma(\rho K^- K^- \times B(\bar{b} \rightarrow \Xi_b^-)) / \Gamma_{\text{total}} \quad \Gamma_7 / \Gamma$

VALUE (units 10^{-8})	CL%	DOCUMENT ID	TECN	COMMENT
$3.6 \pm 0.8 \pm 0.2$		¹ AAIJ	17F LHCb	pp at 7, 8 TeV

¹ AAIJ 17F reports $[\Gamma(\Xi_b^- \rightarrow \rho K^- K^- \times B(\bar{b} \rightarrow \Xi_b^-)) / \Gamma_{\text{total}}] / [B(B^+ \rightarrow K^+ K^- K^+)] / [B(\bar{b} \rightarrow B^+)] = (2.65 \pm 0.35 \pm 0.47) \times 10^{-3}$ which we multiply by our best values $B(B^+ \rightarrow K^+ K^- K^+) = (3.40 \pm 0.14) \times 10^{-5}$, $B(\bar{b} \rightarrow B^+) = (40.5 \pm 0.6) \times 10^{-2}$. Our first error is their experiment's error and our second error is the systematic error from using our best values.

$\Gamma(\rho \pi^- \pi^-) / \Gamma(\rho K^- K^-) \quad \Gamma_9 / \Gamma_8$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
< 0.56	90	¹ AAIJ	17F LHCb	pp at 7, 8 TeV

¹ Measures the ratio as $0.28 \pm 0.16 \pm 0.13$.

$\Gamma(\rho K^- \pi^-) / \Gamma(\rho K^- K^-) \quad \Gamma_{10} / \Gamma_8$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
$0.98 \pm 0.27 \pm 0.09$		AAIJ	17F LHCb	pp at 7, 8 TeV

$\Gamma(\Lambda \pi^+ \pi^- \times B(b \rightarrow \Xi_b^0)) / B(b \rightarrow \Lambda_b^0) / \Gamma_{\text{total}} \quad \Gamma_{11} / \Gamma$

VALUE	CL%	DOCUMENT ID	TECN	COMMENT
$< 1.7 \times 10^{-6}$	90	AAIJ	16W LHCb	pp at 7, 8 TeV

$\Gamma(\Lambda K^- \pi^+ \times B(b \rightarrow \Xi_b^0)/B(b \rightarrow \Lambda_b^0))/\Gamma_{\text{total}}$					Γ_{12}/Γ
VALUE	CL%	DOCUMENT ID	TECN	COMMENT	
$<0.8 \times 10^{-6}$	90	AAIJ	16W LHCb	pp at 7, 8 TeV	

$\Gamma(\Lambda K^+ K^- \times B(b \rightarrow \Xi_b^0)/B(b \rightarrow \Lambda_b^0))/\Gamma_{\text{total}}$					Γ_{13}/Γ
VALUE	CL%	DOCUMENT ID	TECN	COMMENT	
$<0.3 \times 10^{-6}$	90	AAIJ	16W LHCb	pp at 7, 8 TeV	

$\Gamma(\Lambda_c^+ K^- \times B(\bar{b} \rightarrow \Xi_b^-))/\Gamma(p D^0 K^- \times B(\bar{b} \rightarrow \Xi_b^-))$					Γ_{14}/Γ_4
VALUE	DOCUMENT ID	TECN	COMMENT		
$0.36 \pm 0.19 \pm 0.02$	¹ AAIJ	14H LHCb	pp at 7 TeV		

¹ AAIJ 14H reports $[\Gamma(\Xi_b^- \rightarrow \Lambda_c^+ K^- \times B(\bar{b} \rightarrow \Xi_b^-))/\Gamma(\Xi_b^- \rightarrow p D^0 K^- \times B(\bar{b} \rightarrow \Xi_b^-))] \times [B(\Lambda_c^+ \rightarrow p K^- \pi^+)/B(D^0 \rightarrow K^- \pi^+)] = 0.57 \pm 0.22 \pm 0.21$ which we multiply or divide by our best values $B(\Lambda_c^+ \rightarrow p K^- \pi^+) = (6.23 \pm 0.33) \times 10^{-2}$, $B(D^0 \rightarrow K^- \pi^+) = (3.89 \pm 0.04) \times 10^{-2}$. Our first error is their experiment's error and our second error is the systematic error from using our best values.

$\Gamma(\Lambda_b^0 \pi^- \times B(b \rightarrow \Xi_b^-))/B(b \rightarrow \Lambda_b^0))/\Gamma_{\text{total}}$					Γ_{15}/Γ
VALUE (units 10^{-4})	DOCUMENT ID	TECN	COMMENT		
$5.7 \pm 1.8^{+0.8}_{-0.9}$	¹ AAIJ	15BA LHCb	pp at 7, 8 TeV		

¹ A signal is reported with a significance of 3.2 standard deviations in the decay chain of $\Xi_b^- \rightarrow \Lambda_b^0 \pi^-$, $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$, and $\Lambda_c^+ \rightarrow p K^- \pi^+$.

Ξ_b REFERENCES

AAIJ	17BE PL B772 265	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	17BH PRL 119 181807	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	17BJ PRL 119 232001	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	17F PRL 118 071801	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	16W JHEP 1605 081	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	15BA PRL 115 241801	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	14AA PRL 112 202001	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	14BE NP B888 169	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	14BJ PRL 113 242002	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	14H PR D89 032001	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	14Q JHEP 1404 087	R. Aaij <i>et al.</i>	(LHCb Collab.)
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AALTONEN	14B PR D89 072014	T. Aaltonen <i>et al.</i>	(CDF Collab.)
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ABDALLAH	05C EPJ C44 299	J. Abdallah <i>et al.</i>	(DELPHI Collab.)
BUSKULIC	96T PL B384 449	D. Buskulic <i>et al.</i>	(ALEPH Collab.)
ABREU	95V ZPHY C68 541	P. Abreu <i>et al.</i>	(DELPHI Collab.)