

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

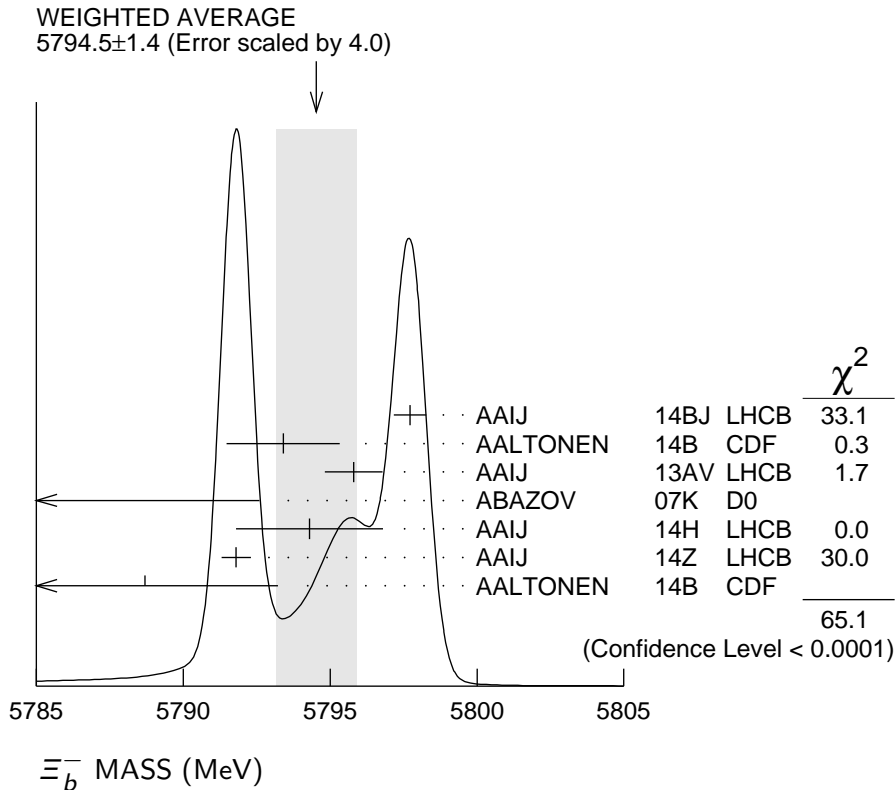
I, J, P need confirmation.

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 |
|-------------|-------------|------|---------|
|-------------|-------------|------|---------|

177.9 ± 0.9 OUR AVERAGE Error includes scale factor of 2.1.

| | | | | |
|----------------------|-------------------|------|------|------------------|
| 178.36 ± 0.46 ± 0.16 | ¹ AAIJ | 14BJ | LHCB | pp at 7, 8 TeV |
| 176.2 ± 0.9 ± 0.1 | ² AAIJ | 13AV | LHCB | pp at 7 TeV |

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

² Reconstructed in $\Xi_b^- \rightarrow J/\psi \Xi^-$ decays.

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

| 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 |

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.

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_i/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 |
| $\Gamma_2 \quad J/\psi \Xi^- \times B(b \rightarrow \Xi_b^-)$ | $(1.02^{+0.26}_{-0.21}) \times 10^{-5}$ | |
| $\Gamma_3 \quad p D^0 K^- \times B(\bar{b} \rightarrow \Xi_b)$ | $(1.8 \pm 0.6) \times 10^{-6}$ | |
| $\Gamma_4 \quad p \bar{K}^0 \pi^- \times B(\bar{b} \rightarrow \Xi_b)/B(\bar{b} \rightarrow B^0)$ | $< 1.6 \times 10^{-6}$ | CL=90% |
| $\Gamma_5 \quad p K^0 K^- \times B(\bar{b} \rightarrow \Xi_b)/B(\bar{b} \rightarrow B^0)$ | $< 1.1 \times 10^{-6}$ | CL=90% |
| $\Gamma_6 \quad p K^- K^- \times B(\bar{b} \rightarrow \Xi_b)$ | $(3.6 \pm 0.8) \times 10^{-8}$ | |
| $\Gamma_7 \quad p K^- K^-$ | | |
| $\Gamma_8 \quad p \pi^- \pi^-$ | | |
| $\Gamma_9 \quad p K^- \pi^-$ | | |
| $\Gamma_{10} \quad \Lambda \pi^+ \pi^- \times B(b \rightarrow \Xi_b^0)/B(b \rightarrow \Lambda_b^0)$ | $< 1.7 \times 10^{-6}$ | CL=90% |

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

$\Gamma(\rho D^0 K^- \times B(\bar{b} \rightarrow \Xi_b^-))/\Gamma_{\text{total}}$ Γ_3/Γ

| VALUE | 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 $B(\bar{b} \rightarrow b\text{-baryon}) = (8.8 \pm 1.2) \times 10^{-2}$, $B(\Lambda_b^0 \rightarrow \rho D^0 K^-) = (4.7 \pm 0.8) \times 10^{-5}$. Our first error is their experiment's error and our second error is the systematic error from using our best values.

$\Gamma(\rho K^0 \pi^- \times B(\bar{b} \rightarrow \Xi_b^-)/B(\bar{b} \rightarrow B^0))/\Gamma_{\text{total}}$ Γ_4/Γ

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

$\Gamma(pK^0K^- \times B(\bar{b} \rightarrow \Xi_b)/B(\bar{b} \rightarrow B^0))/\Gamma_{\text{total}}$ Γ_5/Γ

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

$\Gamma(pK^-K^- \times B(\bar{b} \rightarrow \Xi_b))/\Gamma_{\text{total}}$ Γ_6/Γ

| VALUE (units 10^{-8}) | 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 $[\Gamma(\Xi_b \rightarrow pK^-K^- \times B(\bar{b} \rightarrow \Xi_b))/\Gamma_{\text{total}}] / [B(B^+ \rightarrow K^+K^-K^+)] / [B(\bar{b} \rightarrow B^+)] = (2.65 \pm 0.35 \pm 0.47) \times 10^{-3}$ which we multiply by our best values $B(B^+ \rightarrow K^+K^-K^+) = (3.40 \pm 0.14) \times 10^{-5}$, $B(\bar{b} \rightarrow B^+) = (40.4 \pm 0.6) \times 10^{-2}$. Our first error is their experiment's error and our second error is the systematic error from using our best values.

$\Gamma(p\pi^-\pi^-)/\Gamma(pK^-K^-)$ Γ_8/Γ_7

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

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

$\Gamma(pK^-\pi^-)/\Gamma(pK^-K^-)$ Γ_9/Γ_7

| VALUE | DOCUMENT ID | TECN | COMMENT |
|--------------------------|-------------|------|-----------------------|
| $0.98 \pm 0.27 \pm 0.09$ | AAIJ | 17F | LHCB pp at 7, 8 TeV |

$\Gamma(\Lambda\pi^+\pi^- \times B(b \rightarrow \Xi_b^0)/B(b \rightarrow \Lambda_b^0))/\Gamma_{\text{total}}$ Γ_{10}/Γ

| 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_{11}/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_{12}/Γ

| VALUE | CL% | DOCUMENT ID | TECN | COMMENT |
|-----------------------|-----|-------------|------|-----------------------|
| $<0.3 \times 10^{-6}$ | 90 | AAIJ | 16W | LHCB pp at 7, 8 TeV |

$\Gamma(\Lambda_c^+K^- \times B(\bar{b} \rightarrow \Xi_b))/\Gamma(pD^0K^- \times B(\bar{b} \rightarrow \Xi_b))$ Γ_{13}/Γ_3

| VALUE | DOCUMENT ID | TECN | COMMENT |
|--------------------------|-------------------|------|--------------------|
| $0.35 \pm 0.19 \pm 0.02$ | ¹ AAIJ | 14H | LHCB pp at 7 TeV |

¹ AAIJ 14H reports $[\Gamma(\Xi_b \rightarrow \Lambda_c^+K^- \times B(\bar{b} \rightarrow \Xi_b))/\Gamma(\Xi_b \rightarrow pD^0K^- \times B(\bar{b} \rightarrow \Xi_b))] \times [B(\Lambda_c^+ \rightarrow pK^-\pi^+)] / [B(D^0 \rightarrow K^-\pi^+)] = 0.57 \pm 0.22 \pm 0.21$ which we multiply or divide by our best values $B(\Lambda_c^+ \rightarrow pK^-\pi^+) = (6.35 \pm 0.33) \times 10^{-2}$, $B(D^0 \rightarrow K^-\pi^+) = (3.89 \pm 0.04) \times 10^{-2}$. 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_{14}/Γ |
|--|---|
| VALUE (units 10^{-4}) | DOCUMENT ID TECN COMMENT |
| $5.7 \pm 1.8^{+0.8}_{-0.9}$ | ¹ AAIJ 15BA LHCb <i>pp</i> 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

| | | | | |
|----------|------|----------------|---------------------------|------------------|
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| 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.) |
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| 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.) |
| AAIJ | 14T | PL B736 154 | 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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| AALTONEN | 07A | PRL 99 052002 | 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.) |