

In PDG2014 New since PDG2014 (preliminary) New since PDG2014 (published)

RPP#	Mode	PDG2014 AVG.	CDF	LHCb	Our Avg.
	$f_c \mathcal{B}(B_c^+ \rightarrow K^+ K^0) / f_u \mathcal{B}(B^+ \rightarrow K_S^0 \pi^+)$	*		$< 5.8 \times 10^{-2}$	$< 5.8 \times 10^{-2}$
	$f_c \mathcal{B}(B_c^+ \rightarrow p \bar{p} \pi^+) / f_u$			$< 2.8 \times 10^{-8}$	$< 2.8 \times 10^{-8}$
	$\sigma(B_c^+) \mathcal{B}(B_c^+ \rightarrow K^+ K^- \pi^+) / \sigma(B^+)^\dagger$			$< 15 \times 10^{-8}$	$< 15 \times 10^{-8}$

* PDG converts the LHCb result to $f_c \mathcal{B}(B_c^+ \rightarrow K^+ K^0) < 4.6 \times 10^{-7}$;

† measured in the annihilation region $m(K^- \pi^+) < 1.834 \text{ GeV}/c^2$

B_c^+ Branching Fractions: LHCb References

- [1] LHCb Collaboration, (R. Aaij *et al.*), Phys. Lett. B **726**, 646 (2013).
- [2] LHCb Collaboration, (R. Aaij *et al.*), Phys. Lett. B **759**, 313 (2016)
- [3] LHCb Collaboration, (R. Aaij *et al.*), arXiv:1607.06134