

Heavy Flavor Averaging Group  
May 2004

Compilation of  $B^+$  Baryonic Branching Fractions  
All branching fractions are in units of  $10^{-6}$ ; limits are 90% CL

In PDG2002    New since PDG2002 (preliminary)    New since PDG2002 (published)

RPP#	Mode	PDG2002 Avg.	BABAR	Belle	CLEO	New Avg.
159	$p\bar{p}\pi^+$	< 160		$3.06^{+0.73}_{-0.62} \pm 0.37$	< 160	$3.06^{+0.82}_{-0.72}$
–	$p\bar{p}K^+$	New		$5.66^{+0.67}_{-0.57} \pm 0.62$		$5.66^{+0.91}_{-0.84}$
–	$p\bar{p}K^{*+}$	New		$10.31^{+3.62+1.34}_{-2.77-1.65}$		$10.31^{+3.86}_{-3.22}$
163	$p\bar{\Lambda}$	< 2.6		< 0.46	< 1.5	< 0.46
167	$\Lambda_c^- p\pi^+$	$620 \pm 270$		$187^{+43}_{-40} \pm 56$	$240 \pm 60^{+63}_{-62}$	$207^{+55}_{-53}$
–	$\bar{\Sigma}_c^0(2455)p$	New		< 93	< 80	< 80
–	$\bar{\Sigma}_c^0(2520)p$	New		< 46		< 46
168	$\Lambda_c^- p\pi^+\pi^0$	< 3120			$1810 \pm 290^{+520}_{-500}$	$1810^{+595}_{-578}$
–	$\bar{\Sigma}_c^0(2455)p\pi^0$	New			$420 \pm 130 \pm 170$	$420 \pm 214$
169	$\Lambda_c^- p\pi^+\pi^+\pi^-$	< 1460			$2250 \pm 250^{+630}_{-610}$	$2250^{+677}_{-659}$
–	$\bar{\Sigma}_c^0(2455)p\pi^+\pi^-$	New			$440 \pm 120 \pm 120$	$440 \pm 169$
–	$\bar{\Sigma}_c^-(2455)p\pi^+\pi^+$	New			$280 \pm 90 \pm 90$	$280 \pm 127$
–	$\bar{\Lambda}_c^-(2593)p\pi^+$	New			< 190	< 190