Lepton Family number (*LF*) or Lepton number (*L*) violating modes, or $\Delta B = 1$ weak neutral current (*B1*) modes

$B^+ \to \pi^+ e^+ e^-$	*B1*	< 3.9	$\times 10^{-3}$	CL=90%	2638
$B^+ \to \pi^+ \mu^+ \mu^-$	*B1*	< 9.1	$\times 10^{-3}$	CL=90%	2633
$B^+ \to K^+ e^+ e^-$	*B1*	< 6	$\times 10^{-5}$	CL=90%	2616
$B^+ \to K^+ \mu^+ \mu^-$	*B1*	< 1.7	$\times 10^{-4}$	CL=90%	2612
$B^+ \to K^*(892)^+ e^+ e^-$	*B1*	< 6.9	$\times 10^{-4}$	CL=90%	2564
$B^+ \to K^*(892)^+ \mu^+ \mu^-$	*B1*	< 1.2	$\times 10^{-3}$	CL=90%	2560
$B^+ \to \pi^+ e^+ \mu^-$	*LF*	< 6.4	$\times 10^{-3}$	CL=90%	2636
$B^+ \to \pi^+ e^- \mu^+$	*LF*	< 6.4	$\times 10^{-3}$	CL=90%	2636
$B^+ \to K^+ e^+ \mu^-$	*LF*	< 6.4	$\times 10^{-3}$	CL=90%	2615
$B^+ \to K^+ e^- \mu^+$	*LF*	< 6.4	$\times 10^{-3}$	CL=90%	2615
$B^+ \to \pi^- e^+ e^+$	*L*	< 3.9	$\times 10^{-3}$	CL=90%	2638
$B^+ \to \pi^- \mu^+ \mu^+$	*L*	< 9.1	$\times 10^{-3}$	CL=90%	2633
$B^+ \to \pi^- e^+ \mu^+$	*L*	< 6.4	$\times 10^{-3}$	CL=90%	2636
$B^+ \to K^- e^+ e^+$	*L*	< 3.9	$\times 10^{-3}$	CL=90%	2616
$B^+ \to K^- \mu^+ \mu^+$	*L*	< 9.1	$\times 10^{-3}$	CL=90%	2612
$B^+ \to K^- e^+ \mu^+$	*L*	< 6.4	$\times 10^{-3}$	CL=90%	2615

B DECAY MODES

$\overline{B}$ modes are charge conjugates of the modes below.

For the following modes, the charge of B was not determined. The measurements are for an admixture of B mesons at the $\Upsilon(4S)$ unless otherwise indicated by a footnote and a "$\overline{b}$" instead of "B" in the initial state.

Semileptonic and leptonic modes

$B \to e^+ \nu_e$ anything	[*ss*]	(10.4 ± 0.4) %		S=1.3	–
$B \to \overline{D}^*(2010) e^+ \nu_e$		(7.0 ± 2.3) %			–
$B \to \overline{p} e^+ \nu_e$ anything		< 1.6	$\times 10^{-3}$	CL=90%	–
$B \to \mu^+ \nu_\mu$ anything	[*ss*]	(10.3 ± 0.5) %			–
$B \to \ell^+ \nu_\ell$ anything	[*ii,ss*]	(10.43 ± 0.24) %			–
$B \to D^- \ell^+ \nu_\ell$ anything	[*ii*]	(2.7 ± 0.8) %			–
$B \to \overline{D}^0 \ell^+ \nu_\ell$ anything	[*ii*]	(7.0 ± 1.4) %			–
$B \to D^{**} \ell^+ \nu_\ell$	[*ii,tt*]	(2.7 ± 0.7) %			–
$B \to D_s^- \ell^+ \nu_\ell$ anything	[*ii*]	< 9	$\times 10^{-3}$	CL=90%	–
$B \to D_s^- \ell^+ \nu_\ell K^+$ anything	[*ii*]	< 6	$\times 10^{-3}$	CL=90%	–
$B \to D_s^- \ell^+ \nu_\ell K^0$ anything	[*ii*]	< 9	$\times 10^{-3}$	CL=90%	–
$B \to K^+ \ell^+ \nu_\ell$ anything	[*ii*]	(5.6 ± 1.0) %			–
$B \to K^- \ell^+ \nu_\ell$ anything	[*ii*]	(1.0 ± 0.6) %			–
$B \to K^0 / \overline{K}^0 \ell^+ \nu_\ell$ anything	[*ii*]	(4.1 ± 0.8) %			–
$\overline{b} \to \tau^+ \nu_\tau$ anything	[*uu*]	(4.1 ± 1.0) %			–