Other hadronic modes			
$\pi^+\pi^+\pi^-$	(1.35 ± 0.31) %		959
$\rho^0\pi^+$	$< 2.8 \times 10^{-3}$	CL=90%	827
$f_0(980)\pi^+$	$(10 \pm 4) \times 10^{-3}$		732
$\pi^+\pi^+\pi^-$ nonresonant	(1.01 ± 0.35) %		959
$\pi^+\pi^+\pi^-\pi^0$	< 12 %	CL=90%	935
$\eta\pi^+$	(1.9 ± 0.4) %		902
$\omega\pi^+$	< 1.7 %	CL=90%	822
$\pi^+\pi^+\pi^+\pi^-\pi^-$	$(3.0 {}^{+4.0}_{-3.0}) \times 10^{-3}$		899
$\pi^+\pi^+\pi^-\pi^0\pi^0$			902
$\eta\rho^+$	(10.0 ± 2.2) %		727
$\eta\pi^+\pi^0$ 3-body	< 2.9 %	CL=90%	787
$\pi^+\pi^+\pi^+\pi^-\pi^-\pi^0$	(4.9 ± 3.2) %		856
$\eta'(958)\pi^+$	(4.7 ± 1.4) %		743
$\pi^+\pi^+\pi^+\pi^-\pi^-\pi^0\pi^0$			803
$\eta'(958)\rho^+$	(12.0 ± 3.0) %		470
$\eta'(958)\pi^+\pi^0$ 3-body	< 3.0 %	CL=90%	720
$K^0\pi^+$	$< 7 \times 10^{-3}$	CL=90%	916
$K^+\pi^+\pi^-$	$(3.0 {}^{+4.0}_{-3.0}) \times 10^{-3}$		900
$K^+K^-K^+$			628
ϕK^+	$< 2.5 \times 10^{-3}$	CL=90%	607

$D_s^{*\pm}$

$I(J^P) = ?(?^?)$

Mass $m = 2110.0 \pm 1.9$ MeV (S = 1.2)
$m_{D_s^{*\pm}} - m_{D_s^\pm} = 141.6 \pm 1.8$ MeV (S = 1.2)
Full width $\Gamma < 4.5$ MeV, CL = 90%

D_s^{*-} modes are charge conjugates of the modes below.

D_s^{*+} DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$D_s^+\gamma$	dominant	137

$D_{s1}(2536)^\pm$

$I(J^P) = 0(1^+)$
I, J, P need confirmation.

Mass $m = 2535.35 \pm 0.34$ MeV
Full width $\Gamma < 2.3$ MeV, CL = 90%

$D_{s1}(2536)^-$ modes are charge conjugates of the modes below.

$D_{s1}(2536)^+$ DECAY MODES	Fraction (Γ_i/Γ)	p (MeV/c)
$D^*(2010)^+K^0$	seen	150
$D^*(2007)^0K^+$	seen	169
D^+K^0	not seen	382
D^0K^+	not seen	392
$D_s^{*+}\gamma$	possibly seen	389

BOTTOM MESONS
$(B = \pm 1)$

$B^+ = u\overline{b}$, $B^0 = d\overline{b}$, $\overline{B}^0 = \overline{d}\,b$, $B^- = \overline{u}\,b$, similarly for B^*'s

$B^\pm$

$I(J^P) = \frac{1}{2}(0^-)$

I, J, P need confirmation. Quantum numbers shown are quark-model predictions. Measurements which do not identify the charge state of B also appear here.

Mass $m_{B^\pm} = 5278.7 \pm 2.0$ MeV
Mean life $\tau = (1.54 \pm 0.11) \times 10^{-12}$ s
Mean life τ (avg over B hadrons) $= (1.537 \pm 0.021) \times 10^{-12}$ s [rr]
$c\tau = 462$ μm

B^- modes are charge conjugates of the modes below.

Only data from $\Upsilon(4S)$ decays are used for branching fractions, with rare exceptions. The branching fractions listed below assume a 50:50 $B^0\overline{B}^0$:B^+B^- production ratio at the $\Upsilon(4S)$. We have attempted to bring older measurements up to date by rescaling their assumed $\Upsilon(4S)$ production ratio to 50:50 and their assumed D, D_s, D^*, and ψ branching ratios to current values whenever this would affect our averages and best limits significantly.

Indentation is used to indicate a subchannel of a previous reaction. All resonant subchannels have been corrected for resonance branching fractions to the final state so the sum of the subchannel branching fractions can exceed that of the final state.

B^+ DECAY MODES	Fraction (Γ_i/Γ)	Scale factor/ Confidence level	p (MeV/c)
Semileptonic modes			
$B^+ \to \overline{D}^0\ell^+\nu$	[ii] (1.6 ± 0.7) %		–
$B^+ \to \overline{D}^*(2007)^0\ell^+\nu$	[ii] (6.6 ± 2.2) %		–
$B^+ \to \pi^0 e^+\nu_e$	$< 2.2 \times 10^{-3}$	CL=90%	2638
$B^+ \to \omega\ell^+\nu_\ell$	[ii] $< 2.1 \times 10^{-4}$	CL=90%	–
$B^+ \to \omega\mu^+\nu_\mu$	seen		2580
$B^+ \to \rho^0\ell^+\nu_\ell$	[ii] $< 2.1 \times 10^{-4}$	CL=90%	–
D, D^*, or D_s modes			
$B^+ \to \overline{D}^0\pi^+$	$(5.3 \pm 0.5) \times 10^{-3}$		2308
$B^+ \to \overline{D}^0\rho^+$	(1.34 ± 0.18) %		2237
$B^+ \to \overline{D}^0\pi^+\pi^+\pi^-$	(1.1 ± 0.4) %		2289
$B^+ \to \overline{D}^0\pi^+\pi^+\pi^-$ nonresonant	$(5 \pm 4) \times 10^{-3}$		2289
$B^+ \to \overline{D}^0\pi^+\rho^0$	$(4.2 \pm 3.0) \times 10^{-3}$		2208
$B^+ \to \overline{D}^0 a_1(1260)^+$	$(5 \pm 4) \times 10^{-3}$		2123
$B^+ \to D^*(2010)^-\pi^+\pi^+$	$(2.1 \pm 0.6) \times 10^{-3}$		2247
$B^+ \to D^-\pi^+\pi^+$	$< 1.4 \times 10^{-3}$	CL=90%	2299
$B^+ \to \overline{D}^*(2007)^0\pi^+$	$(5.2 \pm 0.8) \times 10^{-3}$		2255
$B^+ \to \overline{D}^*(2007)^0\rho^+$	(1.55 ± 0.31) %		2182
$B^+ \to \overline{D}^*(2007)^0\pi^+\pi^+\pi^-$	$(9.4 \pm 2.6) \times 10^{-3}$		2236
$B^+ \to D^*(2010)^-\pi^+\pi^+\pi^0$	(1.5 ± 0.7) %		2235
$B^+ \to D^*(2010)^-\pi^+\pi^+\pi^+\pi^-$	< 1 %	CL=90%	2217
$B^+ \to \overline{D}_1^*(2420)^0\pi^+$	$(1.1 \pm 0.5) \times 10^{-3}$		2081
$B^+ \to \overline{D}_1^*(2420)^0\rho^+$	$< 1.4 \times 10^{-3}$	CL=90%	1996
$B^+ \to \overline{D}_2^*(2460)^0\pi^+$	$< 1.3 \times 10^{-3}$	CL=90%	2064
$B^+ \to \overline{D}_2^*(2460)^0\rho^+$	$< 4.7 \times 10^{-3}$	CL=90%	1979
$B^+ \to \overline{D}^0 D_s^+$	(1.7 ± 0.6) %		1814
$B^+ \to \overline{D}^0 D_s^{*+}$	(1.2 ± 1.0) %		1735
$B^+ \to \overline{D}^*(2007)^0 D_s^+$	(1.0 ± 0.7) %		1737
$B^+ \to \overline{D}^*(2007)^0 D_s^{*+}$	(2.4 ± 1.3) %		1652
$B^+ \to D_s^+\pi^0$	$< 2.1 \times 10^{-4}$	CL=90%	2270
$B^+ \to D_s^{*+}\pi^0$	$< 3.4 \times 10^{-4}$	CL=90%	2215
$B^+ \to D_s^+\eta$	$< 5 \times 10^{-4}$	CL=90%	2235
$B^+ \to D_s^{*+}\eta$	$< 8 \times 10^{-4}$	CL=90%	2178
$B^+ \to D_s^+\rho^0$	$< 4 \times 10^{-4}$	CL=90%	2197
$B^+ \to D_s^{*+}\rho^0$	$< 5 \times 10^{-4}$	CL=90%	2139
$B^+ \to D_s^+\omega$	$< 5 \times 10^{-4}$	CL=90%	2195
$B^+ \to D_s^{*+}\omega$	$< 7 \times 10^{-4}$	CL=90%	2137