Baryon modes

$B \to$ charmed-baryon anything		$(\ 6.4 \pm 1.1\ )$ %			–
$B \to \overline{\Sigma}_c^{--}$ anything		$(\ 4.8 \pm 2.5\ ) \times 10^{-3}$			–
$B \to \overline{\Sigma}_c^{-}$ anything		< 1.1	%	CL=90%	–
$B \to \overline{\Sigma}_c^{0}$ anything		$(\ 5.3 \pm 2.5\ ) \times 10^{-3}$			–
$B \to \overline{\Sigma}_c^{0} N (N = p$ or $n)$		< 1.7	$\times 10^{-3}$	CL=90%	–
$B \to p$anything + $\overline{p}$anything		$(\ 8.0 \pm 0.5\ )$ %			–
$B \to p$(direct) anything + $\overline{p}$(direct) anything		$(\ 5.6 \pm 0.7\ )$ %			–
$B \to \Lambda$anything + $\overline{\Lambda}$anything		$(\ 4.0 \pm 0.5\ )$ %			–
$B \to \Xi^-$ anything + $\overline{\Xi}^+$ anything		$(\ 2.7 \pm 0.6\ ) \times 10^{-3}$			–
$B \to$ baryons anything		$(\ 6.8 \pm 0.6\ )$ %			–
$B \to p\overline{p}$anything		$(\ 2.47 \pm 0.23)$ %			–
$B \to \Lambda\overline{p}$anything + $\overline{\Lambda}p$anything		$(\ 2.5 \pm 0.4\ )$ %			–
$B \to \Lambda\overline{\Lambda}$anything		< 5	$\times 10^{-3}$	CL=90%	–

$\Delta B = 1$ weak neutral current ($B1$) modes

$\overline{b} \to e^+ e^-$ anything	$B1$	$[vv] < 2.4$	$\times 10^{-3}$	CL=90%	–
$\overline{b} \to \mu^+ \mu^-$ anything	$B1$	$[vv] < 5.0$	$\times 10^{-5}$	CL=90%	–

B^0

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

I, J, P need confirmation. Quantum numbers shown are quark-model predictions.

Mass $m_{B^0} = 5279.0 \pm 2.0$ MeV

$m_{B^0} - m_{B^\pm} = 0.34 \pm 0.29$ MeV (S = 1.1)

Mean life $\tau = (1.50 \pm 0.11) \times 10^{-12}$ s

$c\tau = 449\ \mu$m

$\tau_{B^+}/\tau_{B^0} = 0.98 \pm 0.09$

B^0-$\overline{B}^0$ mixing parameters

$\chi_d = 0.156 \pm 0.024$

$\Delta m_{B^0} = m_{B^0_H} - m_{B^0_L} = (0.51 \pm 0.06) \times 10^{12}\ \hbar\ \mathrm{s}^{-1}$

$x_d = \Delta m_{B^0}/\Gamma_{B^0} = 0.71 \pm 0.06$