BOTTOM, CHARMED MESONS
($B = C = \pm 1$)

$B_c^+ = c\overline{b}$, $B_c^- = \overline{c}\,b$, similarly for B_c^*'s

NODE=MXXX049

$B_c^\pm$

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

NODE=S091

Quantum numbers shown are quark-model predicitions.

Mass $m = 6.276 \pm 0.004$ GeV

NODE=S091M;DTYPE=M

Mean life $\tau = (0.46 \pm 0.07) \times 10^{-12}$ s

NODE=S091T;DTYPE=T

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

NODE=S091215;NODE=S091

B_c^+ DECAY MODES × B($\overline{b} \to B_c$)	Fraction (Γ_i/Γ)	Confidence level	p (MeV/c)	
The following quantities are not pure branching ratios; rather the fraction $\Gamma_i/\Gamma \times$ B($\overline{b} \to B_c$).				CLUMP=A;NODE=S091
$J/\psi(1S)\ell^+\nu_\ell$ anything	$(5.2^{+2.4}_{-2.1}) \times 10^{-5}$		–	DESIG=1;OUR EVAL;→ NOT CHECKED ←
$J/\psi(1S)\pi^+$	$< 8.2 \times 10^{-5}$	90%	2371	DESIG=2;OUR EVAL;→ NOT CHECKED ←
$J/\psi(1S)\pi^+\pi^+\pi^-$	$< 5.7 \times 10^{-4}$	90%	2351	DESIG=3;OUR EVAL;→ NOT CHECKED ←
$J/\psi(1S)a_1(1260)$	$< 1.2 \times 10^{-3}$	90%	2170	DESIG=4;OUR EVAL;→ NOT CHECKED ←
$D^*(2010)^+\overline{D}^0$	$< 6.2 \times 10^{-3}$	90%	2467	DESIG=5;OUR EVAL;→ NOT CHECKED ←