$B_c(2S)^\pm$

$I(J^P) = 0(0^-)$

OMITTED FROM SUMMARY TABLE
Quantum numbers neither measured nor confirmed.

$B_c(2S)^\pm$ MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
6842±4±5	57	[1] AAD	14AQ ATLS	pp at 7, 8 TeV

[1] Observed in the decay mode $B_c(2S)^+ \to B_c^+ \pi^+ \pi^-$ ($B_c^+ \to J/\psi \pi^+$) with 5.2 standard deviations significance.

$B_c(2S)^\pm$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$B_c^+ \pi^+ \pi^-$	seen

$B_c(2S)^\pm$ BRANCHING RATIOS

$\Gamma(B_c^+ \pi^+ \pi^-)/\Gamma_{total}$ Γ_1/Γ

VALUE	EVTS	DOCUMENT ID	TECN	COMMENT
seen	57	[1] AAD	14AQ ATLS	pp at 7, 8 TeV

[1] Observed with 5.2 standard deviations significance.

$B_c(2S)^\pm$ REFERENCES

AAD 14AQ PRL 113 212004 G. Aad *et al.* (ATLAS Collab.)