$Z_c(4200)$

$I^G(J^{PC}) = 1^+(1^{+-})$
I, G, C need confirmation.

OMITTED FROM SUMMARY TABLE
was $X(4200)^{\pm}$

This state shows properties different from a conventional $q\overline{q}$ state. A candidate for an exotic structure. See the review on non-$q\overline{q}$ states.

Reported by CHILIKIN 14 in $J/\psi\pi^+$ at a significance of 6.2σ. Assignments of 0^-, 1^-, 2^-, and 2^+ excluded at 6.1σ, 7.4σ, 4.4σ, and 7.0σ level, respectively. Needs confirmation.

$Z_c(4200)$ MASS

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
$\mathbf{4196^{+31+17}_{-29-13}}$	CHILIKIN	14	BELL	$\overline{B}^0 \to J/\psi K^-\pi^+$

$Z_c(4200)$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
$\mathbf{370\pm70^{+\ 70}_{-132}}$	CHILIKIN	14	BELL	$\overline{B}^0 \to J/\psi K^-\pi^+$

$Z_c(4200)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	$J/\psi\pi^+$	seen

$Z_c(4200)$ BRANCHING RATIOS

$\Gamma(J/\psi\pi^+)/\Gamma_{\text{total}}$ Γ_1/Γ

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	CHILIKIN	14	BELL	$\overline{B}^0 \to J/\psi K^-\pi^+$
• • • We do not use the following data for averages, fits, limits, etc. • • •				
possibly seen	[1] AAIJ	19R	LHCB	$B^0 \to K^+\pi^- J/\psi$ + c.c.

[1] From a model-independent analysis.

$Z_c(4200)$ REFERENCES

AAIJ	19R	PRL 122 152002	R. Aaij *et al.*	(LHCb Collab.)
CHILIKIN	14	PR D90 112009	K. Chilikin *et al.*	(BELLE Collab.)