$X_0(2900)$

$I(J^P) = ?(0^+)$

OMITTED FROM SUMMARY TABLE

An exotic state with minimal quark content $\overline{c}d\overline{s}u$. Observed by AAIJ 20AI using full amplitude analysis of $B^+ \to D^+D^-K^+$ decays.

$X_0(2900)$ MASS

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
2866±7±2	1.2k	[1] AAIJ	20AI	LHCB	$B^+ \to D^+D^-K^+$

[1] Obtained from the full amplitude analysis. Parameterized with the relativistic Breit-Wigner line shape. Also confirmed by the model-independent analysis of AAIJ 20AF.

$X_0(2900)$ WIDTH

VALUE (MeV)	*EVTS*	*DOCUMENT ID*		*TECN*	*COMMENT*
57±12±4	1.2k	[1] AAIJ	20AI	LHCB	$B^+ \to D^+D^-K^+$

[1] Obtained from the full amplitude analysis. Parameterized with the relativistic Breit-Wigner line shape. Also confirmed by the model-independent analysis of AAIJ 20AF.

$X_0(2900)$ DECAY MODES

	Mode	Fraction (Γ_i/Γ)
Γ_1	D^-K^+	seen

$X_0(2900)$ BRANCHING RATIOS

$\Gamma(D^-K^+)/\Gamma_{total}$ **Γ_1/Γ**

VALUE	*DOCUMENT ID*		*TECN*	*COMMENT*
seen	AAIJ	20AI	LHCB	$B^+ \to D^+D^-K^+$

$X_0(2900)$ REFERENCES

AAIJ	20AF	PRL 125 242001	R. Aaij *et al.*	(LHCb Collab.)
AAIJ	20AI	PR D102 112003	R. Aaij *et al.*	(LHCb Collab.)