

$T_{cs1}^*(2900)^0$ 

$I(J^P) = ?(1^-)$

OMITTED FROM SUMMARY TABLE

was  $X_1(2900)$ 

An exotic state with minimal quark content  $\bar{c}d\bar{s}u$ . Observed by AAIJ 20A1 using full amplitude analysis of  $B^+ \rightarrow D^+ D^- K^+$  decays.

 $T_{cs1}^*(2900)^0$  MASS

VALUE (MeV)	EVTs	DOCUMENT ID	TECN	COMMENT
<b>2904±5±1</b>	1.2k	<sup>1</sup> AAIJ	20A1 LHCB	$B^+ \rightarrow D^+ D^- K^+$

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

 $T_{cs1}^*(2900)^0$  WIDTH

VALUE (MeV)	EVTs	DOCUMENT ID	TECN	COMMENT
<b>110±11±4</b>	1.2k	<sup>1</sup> AAIJ	20A1 LHCB	$B^+ \rightarrow D^+ D^- K^+$

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

 $T_{cs1}^*(2900)^0$  DECAY MODES

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad D^- K^+$	seen

 $T_{cs1}^*(2900)^0$  BRANCHING RATIOS

$\Gamma(D^- K^+)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$		
VALUE	DOCUMENT ID	TECN	COMMENT
<b>seen</b>	AAIJ	20A1 LHCB	$B^+ \rightarrow D^+ D^- K^+$

 $T_{cs1}^*(2900)^0$  REFERENCES

AAIJ	20AF PRL 125 242001	R. Aaij <i>et al.</i>	(LHCb Collab.)
AAIJ	20A1 PR D102 112003	R. Aaij <i>et al.</i>	(LHCb Collab.)