

$D_1^*(2760)^0$ 

$$I(J^P) = \frac{1}{2}(1^-)$$

OMITTED FROM SUMMARY TABLE

 $J^P$  determined by AAIJ 15V from the Dalitz plot analysis of  $B^- \rightarrow D^+ K^- \pi^-$  decays. $D_1^*(2760)^0$  MASS

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>2781±18±13</b>	2k	<sup>1</sup> AAIJ	15V LHCb	$B^- \rightarrow D^+ K^- \pi^-$

<sup>1</sup>From the amplitude analysis in the model describing the  $D^+ \pi^-$  wave together with virtual contributions from the  $D^*(2007)^0$  and  $B^{*0}$  states, nonresonant spin-0 and spin-1 components as well as the  $D_0^*(2400)^0$ ,  $D_2^*(2460)^0$  and  $D_1^*(2760)^0$  resonances.

 $D_1^*(2760)^0$  WIDTH

VALUE (MeV)	EVTS	DOCUMENT ID	TECN	COMMENT
<b>177±32±21</b>	2k	<sup>1</sup> AAIJ	15V LHCb	$B^- \rightarrow D^+ K^- \pi^-$

<sup>1</sup>From the amplitude analysis in the model describing the  $D^+ \pi^-$  wave together with virtual contributions from the  $D^*(2007)^0$  and  $B^{*0}$  states, nonresonant spin-0 and spin-1 components as well as the  $D_0^*(2400)^0$ ,  $D_2^*(2460)^0$  and  $D_1^*(2760)^0$  resonances.

 $D_1^*(2760)^0$  DECAY MODES

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

 $D_1^*(2760)^0$  BRANCHING RATIOS

$\Gamma(D^+ \pi^-)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$
VALUE	
<b>seen</b>	
	<sup>1</sup> AAIJ
	15V LHCb
	$B^- \rightarrow D^+ K^- \pi^-$

<sup>1</sup>From the amplitude analysis in the model describing the  $D^+ \pi^-$  wave together with virtual contributions from the  $D^*(2007)^0$  and  $B^{*0}$  states, nonresonant spin-0 and spin-1 components as well as the  $D_0^*(2400)^0$ ,  $D_2^*(2460)^0$  and  $D_1^*(2760)^0$  resonances.

 $D_1^*(2760)^0$  REFERENCES

AAIJ	15V	PR D91 092002	R. Aaij <i>et al.</i>	(LHCb Collab.) JP
Also		PR D93 119901 (errat.)	R. Aaij <i>et al.</i>	(LHCb Collab.)