

$D_1^*(2760)^0$

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

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
2781±18±13	2k	¹ AAIJ	15V LHCB	$B^- \rightarrow D^+ K^- \pi^-$

¹From 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
177±32±21	2k	¹ AAIJ	15V LHCB	$B^- \rightarrow D^+ K^- \pi^-$

¹From 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 (Γ_i/Γ)
Γ_1 $D^+ K^-$	seen

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

$\Gamma(D^+ K^-)/\Gamma_{\text{total}}$	Γ_1/Γ
VALUE	
seen	
	¹ AAIJ
	15V LHCB
	$B^- \rightarrow D^+ K^- \pi^-$

¹From 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.)