

Table 1: Product of the  $B$  meson branching fraction and the daughter (excited)  $D$  meson branching fraction. Table 1/2.

Resonance	Decay	$\mathcal{B} [10^{-4}]$	Measured by	Reference	
$D_0^*(2400)^0$	$B^- \rightarrow D_0^*(2400)^0 (\rightarrow D^+ \pi^-) \pi^-$	$6.1 \pm 0.6 \pm 1.8$	Belle	[1]	
		$6.8 \pm 0.3 \pm 2.0$	$B\bar{B}AR$	[2]	
		$6.4 \pm 1.4$	Our average		
$D_0^*(2400)^\pm$	$B^- \rightarrow D_0^*(2400)^0 (\rightarrow D^+ \pi^-) K^-$	$0.061 \pm 0.019 \pm 0.005 \pm 0.014 \pm 0.004$	LHCb	[3]	
	$\bar{B}^0 \rightarrow D_0^*(2400)^+ (\rightarrow D^0 \pi^+) \pi^-$	$0.77 \pm 0.05 \pm 0.03 \pm 0.03 \pm 0.04$	LHCb	[4]	
		$0.60 \pm 0.13 \pm 0.27$	Belle	[5]	
$D_1(2420)^0$		$0.76 \pm 0.07$	Our average		
	$\bar{B}^0 \rightarrow D_0^*(2400)^+ (\rightarrow D^0 \pi^+) K^-$	$0.177 \pm 0.026 \pm 0.019 \pm 0.067 \pm 0.20$	LHCb	[6]	
	$B^- \rightarrow D_1(2420)^0 (\rightarrow D^{*+} \pi^-) \pi^-$	$6.8 \pm 0.7 \pm 1.3$	Belle	[1]	
$D_1(2420)^\pm$		$8.42 \pm 0.08 \pm 0.40 \pm 1.40$	LHCb	[7]	
		$7.6 \pm 1.0$	Our average		
$D_1(2420)^\pm$	$B^- \rightarrow D_1(2420)^0 (\rightarrow D^0 \pi^+ \pi^-) \pi^-$	$1.85 \pm 0.29 \pm 0.27 \pm 0.41$	Belle	[8]	
	$\bar{B}^0 \rightarrow D_1(2420)^0 (\rightarrow D^{*+} \pi^-) \omega$	$0.7 \pm 0.2_{-0.0}^{+0.1} \pm 0.1$	Belle	[9]	
	$\bar{B}^0 \rightarrow D_1(2420)^+ (\rightarrow D^+ \pi^- \pi^+) \pi^-$	$0.89 \pm 0.15 \pm 0.22$	Belle	[8]	
$D_1(2430)^0$	$B^- \rightarrow D_1(2430)^0 (\rightarrow D^{*+} \pi^-) \pi^-$	$5.0 \pm 0.4 \pm 1.08$	Belle	[1]	
		$3.51 \pm 0.06 \pm 0.23 \pm 0.57$	LHCb	[7]	
		$4.5 \pm 0.7$	Our average		
$D_1(2430)^\pm$	$\bar{B}^0 \rightarrow D_1(2430)^0 (\rightarrow D^{*+} \pi^-) \omega$	$2.5 \pm 0.4_{-0.2-0.1}^{+0.7+0.4}$	Belle	[9]	
$D_2^*(2460)^0$	$B^- \rightarrow D_2^*(2460)^0 (\rightarrow D^+ \pi^-) \pi^-$	$3.4 \pm 0.3 \pm 0.7$	Belle	[1]	
		$3.5 \pm 0.2 \pm 0.5$	$B\bar{B}AR$	[2]	
		$3.62 \pm 0.06 \pm 0.14 \pm 0.09 \pm 0.25$	LHCb	[10]	
$D_2^*(2460)^\pm$		$3.58 \pm 0.23$	Our average		
	$B^- \rightarrow D_2^*(2460)^0 (\rightarrow D^{*+} \pi^-) \pi^-$	$1.8 \pm 0.3 \pm 0.4$	Belle	[1]	
		$2.08 \pm 0.03 \pm 0.14 \pm 0.34$	LHCb	[7]	
$D_2^*(2460)^\pm$		$1.8 \pm 0.3$	Our average		
	$B^- \rightarrow D_2^*(2460)^0 (\rightarrow D^{*+} \pi^-) \omega$	$0.4 \pm 0.1_{-0.1}^{+0.0} \pm 0.1$	Belle	[9]	
	$B^- \rightarrow D_2^*(2460)^0 (\rightarrow D^+ \pi^-) K^-$	$0.232 \pm 0.011 \pm 0.006 \pm 0.010 \pm 0.016$	LHCb	[3]	
$D_2^*(2460)^\pm$	$\bar{B}^0 \rightarrow D_2^*(2460)^+ (\rightarrow D^0 \pi^+) \pi^-$	$2.44 \pm 0.07 \pm 0.10 \pm 0.04 \pm 0.12$	LHCb	[4]	
		$2.15 \pm 0.17 \pm 0.31$	Belle	[5]	
		$2.38 \pm 0.16$	Our average		
$D_2^*(2460)^\pm$	$\bar{B}^0 \rightarrow D_2^*(2460)^+ (\rightarrow D^0 \pi^+) K^-$	$0.212 \pm 0.010 \pm 0.011 \pm 0.011 \pm 0.25$	LHCb	[6]	

## References

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