

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

Resonance	Decay	$\mathcal{B} [10^{-4}]$	Measured by	Reference
$D_0(2550)^0$	$B^- \rightarrow D_0(2550)^0(\rightarrow D^{*+}\pi^-)\pi^-$	$0.72 \pm 0.01 \pm 0.07 \pm 0.12$	LHCb	[1]
$D_1^*(2600)^0$	$B^- \rightarrow D_1^*(2600)^0(\rightarrow D^{*+}\pi^-)\pi^-$	$0.68 \pm 0.01 \pm 0.07 \pm 0.11$	LHCb	[1]
$D_1^*(2680)^0$	$B^- \rightarrow D_1^*(2680)^0(\rightarrow D^+\pi^-)\pi^-$	$0.84 \pm 0.06 \pm 0.07 \pm 0.18 \pm 0.06$	LHCb	[2]
$D_2(2740)^0$	$B^- \rightarrow D_2(2740)^0(\rightarrow D^{*+}\pi^-)\pi^-$	$0.33 \pm 0.02 \pm 0.14 \pm 0.05$	LHCb	[1]
$D_1^*(2760)^0$	$B^- \rightarrow D_1^*(2760)^0(\rightarrow D^+\pi^-)K^-$	$0.036 \pm 0.009 \pm 0.003 \pm 0.007 \pm 0.002$	LHCb	[3]
$D_3^*(2760)^0$	$\bar{B}^- \rightarrow D_3^*(2760)^0(\rightarrow D^+\pi^-)\pi^-$	$0.10 \pm 0.01 \pm 0.01 \pm 0.02 \pm 0.01$	LHCb	[2]
	$\bar{B}^- \rightarrow D_3^*(2760)^0(\rightarrow D^{*+}\pi^-)\pi^-$	$0.11 \pm 0.01 \pm 0.02 \pm 0.02$	LHCb	[1]
$D_3^*(2760)^{\pm}$	$\bar{B}^0 \rightarrow D_3^*(2760)^{+}(\rightarrow D^0\pi^{+})\pi^{-}$	$0.103 \pm 0.016 \pm 0.007 \pm 0.008 \pm 0.005$	LHCb	[4]
$D_2^*(3000)^0$	$\bar{B}^0 \rightarrow D_2^*(3000)^0(\rightarrow D^+\pi^-)\pi^-$	$0.02 \pm 0.01 \pm 0.01 \pm 0.01 \pm 0.00$	LHCb	[2]

## References

- [1] LHCb collaboration, R. Aaij *et al.*, Phys. Rev. D **101**, no. 3, 032005 (2020), [arXiv:1911.05957 \[hep-ex\]](https://arxiv.org/abs/1911.05957).
- [2] LHCb collaboration, R. Aaij *et al.*, Phys. Rev. D **94**, 072001 (2016), [arXiv:1608.01289 \[hep-ex\]](https://arxiv.org/abs/1608.01289).
- [3] LHCb collaboration, R. Aaij *et al.*, Phys. Rev. D **91**, 092002 (2015), [arXiv:1503.02995 \[hep-ex\]](https://arxiv.org/abs/1503.02995), Erratum ibid. **D93**, 119901, (2016).
- [4] LHCb collaboration, R. Aaij *et al.*, Phys. Rev. D **92**, 032002 (2015), [arXiv:1505.01710 \[hep-ex\]](https://arxiv.org/abs/1505.01710).