

## Erratum: Lepton number violation in top quark and neutral $B$ meson decays [Phys. Rev. D **84**, 096011 (2011)]

David Delepine, G. Lopez Castro, and N. Quintero

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We have found a bug in our FORTRAN code used to integrate numerically the five-dimensional phase space. This leads to changes in values of the branching fractions for  $\bar{B}^0 \rightarrow D^+ l^- l^- \pi^+$  ( $l = e$  or  $\mu$ ) decays as a function of the Majorana neutrino mass  $m_N$ . The new results are shown in Fig. 1, which should replace Fig. 5 of the published version. In the new plot we have included a few more points close to the threshold region.

Conclusions remain unchanged since the order of magnitude for the branching fractions is the same. However, experimental measurements of the branching ratio would allow one to exclude a larger region of neutrino mixing vs neutrino mass of the parameter space.

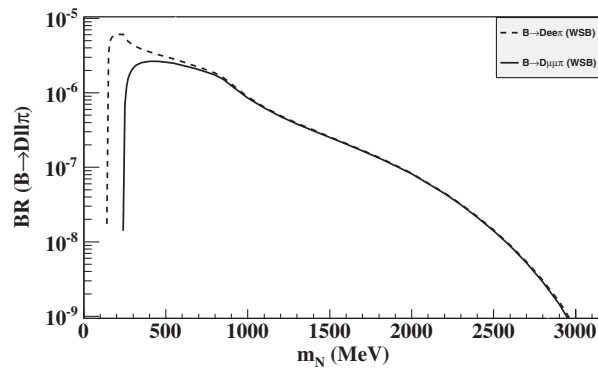


FIG. 1. Branching ratio of  $\bar{B}^0 \rightarrow D^+ l^- l^- \pi^+$  decay as a function of  $m_N$ . The dashed (solid) line corresponds to the electronic (muonic) channel. WSB denotes the Wirbel-Stech-Bauer model [1] used to compute the  $B \rightarrow D$  form factors.

[1] M. Wirbel, B. Stech, and M. Bauer, *Z. Phys. C* **29**, 637 (1985); M. Bauer, B. Stech, and M. Wirbel, *Z. Phys. C* **34**, 103 (1987).