Arrhenius law for Bismut's hypoelliptic Laplacian

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The Bismut hypoelliptic Laplacian, introduced by Bismut around 2000, is a two-parameter-dependent operator characterized by temperature h and friction $1/b$. We explain here the relationship between the bottom spectrum in the asymptotic regime $h \to 0$ and $b \to 0$ and the barcode of persistent (co)homology of the potential function.