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On the quantum origin of a small positive cosmological constant

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We show that Dark Matter consisting of ultralight bosons in a Bose-Einstein condensate induces, via its quantum potential, a small positive cosmological constant which is close to the observed value. This explains why the densities of Dark Matter and Dark Energy are approximately equal.

[NOTE ADDED MC 2020.03.03 if abstract is selected, talk scheduled for 27, 28 or 29 April (i.e. Monday, Tuesday or Wednesday, and not on Thursday the 30th April)]

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