

## Many shades of decoherence

*Monday, 14 April 2025 10:00 (60)*

Decoherence is believed to be a process responsible for killing quantum effects. This stops us from observing half-lived, half-dead Schrödinger-cats and other quantum phenomena in the macroscopic world. On the practical side, decoherence is the main reason why quantum computers are still very limited.

I will discuss the decoherence process and introduce some basic formalisms.

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