

An X-ray survey of wave function collapse signal

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One of the main conundrums of physics is the quantum-to-classical transition. Models of Dynamical wave function Collapse (DCMs) explain it by a progressive reduction of the quantum superposition, proportional to the increase in mass of the system under consideration. Gravity-related collapse models, like the one developed by Diosi and Penrose (DP), aroused growing interest in the last decades, for the privileged role that gravity may play to solve the measurement conundrum.

The VIP-2 experiment, operated at the Laboratori Nazionali del Gran Sasso (LNGS) of INFN, is pursuing high

The strong bounds set by VIP-2 on the DP, and other models like the Continuous Spontaneous Localization w

Summary

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