

第276回

物質科学セミナー

題名：Can large mass objects be prepared and measured in quantum superposition states?

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講演要旨：

In 1935, Erwin Schrödinger introduced his famous “cat” thought experiment, which amplified the strange property of quantum superposition when applied to the macroscopic world. However, Schrödinger’s cat in the form of demonstrating the quantum superposition of a macroscopic mass object was not taken seriously as a possible real experiment until the present century. We describe how advances in quantum measurement theory and experiment involving mechanical oscillator systems are attempting to answer the question of the existence of Schrödinger’s “cat”.

理工学融合共同演習の認定科目です。

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