

As for the CAT

models and interpretations of Quantum Mechanics

A century after its birth, quantum mechanics continues to collect extraordinary successes. Nevertheless, there are still open problems at its FOUNDATIONS. Specifically, the quantum measurement problem, exemplified by the famous Schrödinger cat paradox, poses several questions still lacking an answer. Why a cat cannot be prepared in a quantum superposition? What is the real meaning of the wavefunction? How one can interpret or modify the quantum theory to solve the MEASUREMENT problem?

This workshop wants to give a glimpse into some of the open questions in the foundations of quantum mechanics from different perspectives. *We will tackle the ontology of the wavefunction, the quantum measurement problem, the spontaneous collapse models, the Bohm mechanics and the many world interpretation of quantum mechanics.*

ORGANISED by
Angelo Bassi, Matteo Carlesso,
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(University of Trieste)

SUBJECT



MAY 10th



LECTURE ROOM A
PHYSICS DIP.



start at 14.00 h



REGISTRATION
mandatory



SPEAKERS

VALIA ALLORI

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Registrations close on April 26th



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