

LABORATORI NAZIONALI DEL GRAN SASSO

SEMINAR ANNOUNCEMENT

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**The foundational
problems of quantum
mechanics: an amateur
perspective**

Quantum Mechanics, the most successful theory of modern physics, has an intrinsically statistical nature as well as a non-trivial interpretation. These features, already observed by the EPR authors where put on a more formal basis by means of the Bell inequality and its experimental tests. These tests have shown the correctness of the Copenhagen interpretation and the positivistic approach to experimental measurement. It is shown that conceptual problems only seem to arise when the experimenter takes a fully realistic point of view.

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