



UNIVERSITY  
OF TRENTO - Italy  
Department of Physics

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**Wednesday 17<sup>th</sup> November - at 16:30**  
**Polo Ferrari 1 – Room n. A108**

# Is the interpretation of quantum mechanics still an open problem?

### Abstract:

Quantum mechanics has a peculiar status: despite its unrivalled success in terms of empirical adequacy, there is in fact no wide consensus on its ultimate meaning in terms of description of an observer-independent physical reality. In my talk, first I will briefly review why the interpretation of quantum mechanics is still an open problem, that perhaps might remain open forever; second, I will focus on one particular side of the interpretational debate – concerning the locality/non-locality issue – and show how conceptual analysis contributes to clarify the status of the so-called ‘local realism’ in quantum mechanics, allegedly shown to be untenable by the celebrated Bell theorem.

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