

Training school for graduating students, PhD students and young researchers. Are spin-statistics connection and quantum theory exact? The endeavor for the theory beyond the standard quantum mechanics. FQT2016

Contribution ID: 17

Type: **not specified**

Lecture 2: Properties, statistics and the identity of quantum particles

Monday, 19 December 2016 12:30 (1 hour)

In this talk I will present some of the considerations that philosophers make concerning the identity and individuality of material objects, and discuss the way in which the peculiar features of (non-relativistic) quantum entities can be brought to bear on these issues. In particular, I will look at the 'Received View' that quantum particles are non-individuals, and at possible alternatives. Special attention will be devoted to the various ways in which one may account for the properties and statistical behaviour of quantum systems.

Presenter: Dr MORGANTI, Matteo (University of Rome TRE)