

A Quite Elusive Century/Birthday: the 100th Anniversary of Quantum Mechanics, its Achievements and Criticalities, with a Case Study: Franco Selleri and his Philosophical and Sociopolitical Critical Standpoint

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In the International Year of Quantum Science and Technology, this contribution introduces the different interpretations of quantum phenomena that have followed one another since 1900, together with the long debate that followed 1925, the annus mirabilis in which Quantum Mechanics was introduced, a powerful theory with numerous successes and multiple technological applications in our lives; but with lots of ambiguous aspects from a philosophical point of view. A case study was also analysed, expounding the critical approach of the Italian physicist Franco Selleri (1936-2013), based on philosophical and sociopolitical grounds.

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