



physics



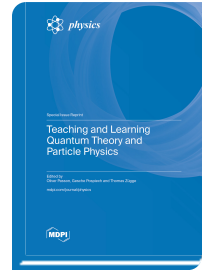
Special Issue Reprint

Teaching and Learning Quantum Theory and Particle Physics

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Although Quantum Physics is established part of most high-school curricula, it's education challenges students and teachers alike. In contrast to other parts of physics the goals of educating quantum physics (and in extension particle physics) at school only marginally and partially include the mastery of the often extensively simplified mathematical formalism. Instead physics education is aiming at establishing conceptual clarity among the students and more often than not even that goal falters where the potential of the topic to address philosophy and nature of science is omitted.

This special issue comprises of a collection of analysis regarding the education of quantum physics and particle physics at school. It is supplemented by teaching approaches.



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