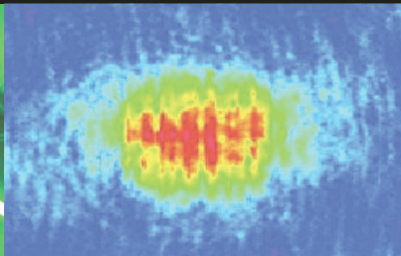


Joint UoC/FORTH AMO Seminar



10 March 2021, 16:30, Online Seminar



Berry phase in quantum mechanics and quantum field theory

Prof. Vasilis Niarchos
University of Crete

I will review the concept of Berry phase in Quantum Mechanics with examples and one of its hallmark applications, the Born-Oppenheimer approximation. I will then report on some recent efforts to analyse Berry phases in continuous Quantum Field theories emphasizing a simple application to Quantum Electrodynamics, which predicts a novel Berry phase in light.

10 March 2021, 16:30, Online Seminar