



Contribution ID: 149

Type: Talk

Absence of CP violation in the strong interaction

Monday, 29 July 2024 14:15 (20 minutes)

Quantum Chromodynamics admits a CP-violating contribution to the action, the θ term, which is expected to give rise to a nonvanishing electric dipole moment of the neutron. Despite intensive search, no CP violations have been found. This puzzle is referred to as the strong CP problem. In this talk I will show, on a dynamical basis, that CP is conserved in the strong interaction.

Primary author: SCHIERHOLZ, Gerrit (DESY)

Presenter: SCHIERHOLZ, Gerrit (DESY)

Session Classification: Vacuum structure and confinement

Track Classification: Vacuum Structure and Confinement