

Nodoka Yamanaka "Unphysical topological charge of nonabelian gauge theory"

Thursday, 9 November 2023 17:35 (25 minutes)

We show that the topological charge of nonabelian gauge theory is not observable, which immediately leads to the resolution of the Strong CP problem. We then inspect the phenomenological consequences to particle physics physics. The most notable implication is the prohibition of the 't Hooft vertex and the sphaleron induced baryogenesis.

Session Classification: Short talks