32nd International Symposium on Lattice Field Theory (Lattice 2014)



Contribution ID: 113 Type: Poster

Comparative study of topological charge

Tuesday, 24 June 2014 18:10 (2 hours)

Comparative study of topological charge is performed.

Topological charges are measured by a cloverleaf operator on smoothed gauge configurations.

Various types of smoothing techniques are employed.

We investigate to what extent each smoothing makes the topological charge an integer. Consistency of the topological charge in the fermionic definition is also examined.

Primary author: NAMEKAWA, Yusuke (University of Tsukuba)

Presenter: NAMEKAWA, Yusuke (University of Tsukuba)

Session Classification: Poster session

Track Classification: Vacuum Structure and Confinement