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Visualising the Emergent Nonperturbative Structure of QCD

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The gluon field configurations that form the foundation of every lattice QCD calculation contain a rich diversity of emergent nonperturbative phenomena. Visualisation of these phenomena creates an intuitive understanding of their structure and dynamics. This presentation will illustrate recent advances in observing the chromo-electromagnetic vector fields, their energy and topological charge densities, and the manner in which vortices in the gluon fields percolate space-time.

Consider for promotion

No

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