

XVth Quark Confinement and the Hadron Spectrum



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Topological structures with twisted boundary conditions and adjoint mode filtering

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Filtering methods based on adjoint fermion zero modes are presented in this talk. The theoretical foundations and relations of supersymmetric theories are discussed and results from Monte Carlo data are presented. Furthermore, some specific properties of Yang-Mills theories with twisted boundary conditions are introduced, which lead to an interesting approach for a better understanding of vacuum and confinement.

Authors: BERGNER, Georg; BERGNER, Georg (University of Jena)

Co-authors: GONZALEZ-ARROYO, Antonio (Universidad Autonoma de Madrid); Mr SOLER CALERO, Ivan (University of Jena)

Presenter: BERGNER, Georg (University of Jena)

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