

Study of Vacuum Structure by Low-Lying Eigenmodes of Overlap-Dirac Operator

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Abstract: APE smearing and overlap-Dirac operator are combined to filter vacuum configurations. The structures of vacuum are studied by low-lying eigenmodes of the overlap-Dirac operator, which exhibits that instanton liquid model can be used.

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Key words: APE smearing, overlap-Dirac operator, structures of vacuum, instanton liquid model

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