APR05-2005-000263

Abstract for an Invited Paper for the APR05 Meeting of the American Physical Society

Lattice QCD and Nuclear Physics

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The theory of the strong interactions is 30 years old but has yet to have a substantial impact on our understanding of how nuclei bind. We will discuss the prospects, challenges and recent progress in computing basic nuclear observables using lattice QCD. Some issues of principle will be discussed as well as the beginning of the practical implementation of this programme.