Quantum chromodynamics: string theory meets collider physics



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Hadronic B Decays in the MSSM with Large $\tan \beta$

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I present an analysis of Hadronic B decays in the MSSM with large $\tan \beta$. I consider all new four-quark operators arising in the MSSM and I give estimates for the corresponding Wilson coefficients. I select the most relevant new four-quark operators and I calculate their contribution to non leptonic B decays. Significant differences with the SM are found in penguin dominated B decays, for $\tan \beta \geq 40$. Various estimates for relevant branching ratios, CP asymmetries and others B physics observables are given.

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