SUSY-QCD Corrections to B^0-$\bar{B}^0$ Mixing

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Abstract: We study the SUSY-QCD corrections to B^0-$\bar{B}^0$ mixing with a reasonable SUSY parameter space and find that contribution from gluino is proportional to $\log(m_g/\mu_w)$ where μ_w is the weak interaction energy scale and by no means negligible.

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