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

FENG Tai-Fu, ^{1,3} LI Xue-Qian, ^{1,3} MA Wen-Gan^{2,3} and ZHANG Feng²

¹ Department of Physics, Nankai University, Tianjin 300070, China ² Department of Modern Physics, University of Science and Technology of China, Hefei 230026, China ³ Institute of Theoretical Physics, Academia Sinica, P.O. Box 2735, Beijing 100080, China (Received: 2000-8-29; Revised: 2000-12-15)

Abstract: We study the SUSY-QCD corrections to $B^0-\overline{B}^0$ 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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