Oscillations of neutral B systems

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Abstract

The oscillation phenomenon in the neutral B systems is now well established and measured for the B_d meson; the last average value of its frequency oscillation will be given. In the framework of the Standard Model, the neutral strange meson B_s is expected to oscillate with a frequency about 20 times that of the B_d meson. This oscillation has not yet been observed, in spite of elaborate analyzes at LEP and SLC; the status of the lower limit on the B_s oscillation frequency will be given and prospects for the near future will be described.