

Lifetime Difference in D^0 - \bar{D}^0 Mixing within R-Parity Violating SUSY

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We re-examine constraints from the evidence for observation of the lifetime difference in D^0 - \bar{D}^0 mixing on the parameters of supersymmetric models with R -parity violation (RPV). We find that RPV SUSY can give large negative contribution to the lifetime difference. We also discuss the importance of the choice of weak or mass basis when placing the constraints on RPV-violating couplings from flavor mixing experiments.

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