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EWrratum: Minimal Flavour Violation with hierarchical squark masses / Barbieri, R., Bertuzzo, E., Farina, M., Lodone, P., Zhuridov, D.. - In: JOURNAL OF HIGH ENERGY PHYSICS. - ISSN 1029-8479. - 2010:12(2010), pp. N/A-N/A. [10.1007/JHEP12(2010)070]

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Erratum: Minimal flavour violation with hierarchical squark masses

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ERRATUM TO: [JHEP12\(2010\)070](#)

ABSTRACT: We correct a mistake in the expression of the anomalous dimension matrix for the QCD running of two quark — two gluino operators given in JHEP **12** (2010) 070. The correction leads to a slight increase of the lower bound on the heavy squark masses.

Equation (4.6) for $\hat{\gamma}_{gg}$ should be:

$$\hat{\gamma}_{gg} = \begin{pmatrix} \frac{n_\ell}{4} & 0 & -6 \\ 0 & -\frac{3N}{2} + \frac{n_\ell}{4} & -\frac{3N}{2} + \frac{6}{N} \\ -3 & -\frac{3N}{2} & -\frac{3}{2}N + \frac{n_\ell}{4} \end{pmatrix}.$$

where n_ℓ is the number of light squarks ($\tilde{t}_L, \tilde{t}_R, \tilde{b}_L$, i.e. $n_\ell = 3$ in our context).

As a consequence figure 1 of [JHEP 12 \(2010\) 070](#) is slightly modified to figure 1 here.

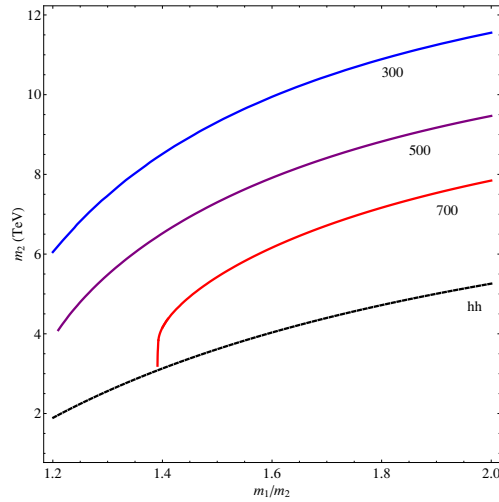


Figure 1. Lower bounds on m_2 as a function of the ratio $r = m_1/m_2$ to obtain effective MFV. For a given light mass, $m_l = 300, 500, 700$ GeV, the allowed region is above the corresponding line, from $\mathcal{L}_{12,3}^{\Delta S=2}$, and in any case above the "hh" line, from $\mathcal{L}_{12}^{\Delta S=2}$, which is m_l independent.