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(Article begins on next page)

Erratum: Minimal flavour violation with hierarchical squark masses

Riccardo Barbieri, Enrico Bertuzzo, Marco Farina, Paolo Lodone and Dmitry Zhuridov

Scuola Normale Superiore,

Piazza dei Cavalieri 7, 56126 Pisa, Italy

INFN,

Largo B. Pontecorvo 3, 56127 Pisa, Italy

E-mail: barbieri@sns.it, enrico.bertuzzo@sns.it, marco.farina@sns.it,
p.lodone@sns.it, dmitry.zhuridov@sns.it

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.

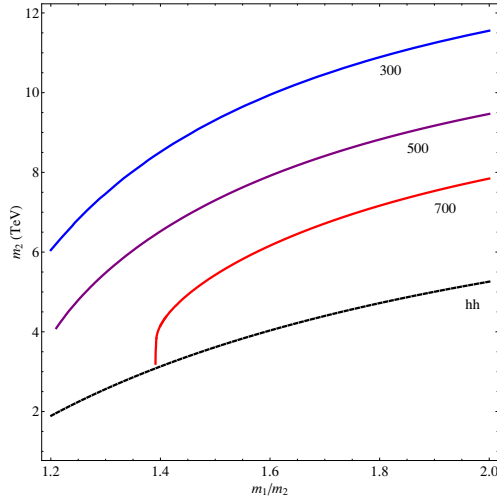


Figure 1. Lower bounds on m_2 as a function of the ratio $r = m_1/m_2$ to obtain effective MFV. For a given light mass, $m_l = 300, 500, 700$ GeV, the allowed region is above the corresponding line, from $\mathcal{L}_{12,3}^{\Delta S=2}$, and in any case above the "hh" line, from $\mathcal{L}_{12}^{\Delta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