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Flavour violating squark and gluino decays

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We consider scenarios with large flavour violating
entries in the squark mass matrices focusing on the mixing between
second and third generation squarks. These entries govern both,
flavour violating low energy observables on the one hand and
squark and gluino decays on the other hand.
We first discuss the constraints on the parameter space due to the
recent data on B mesons from the B factories and Tevatron. We then
consider flavour violating squark and gluino decays and show that they
can still be typically of order 10\% despite the stringent
constraints from low energy data. Finally we briefly comment on the
impact for searches and parameter determinations at future collider
experiments such as the upcoming LHC or a future International Linear
Collider.

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