



Contribution ID: 475

Type: **not specified**

## Improved $\Delta B=1$ constraints on SUSY flavor

*Thursday, September 1, 2011 11:35 AM (20 minutes)*

The significant progress regarding  $B\text{bar} \rightarrow K\text{bar}^* l^+ l^-$  decays led to improved bounds on the Wilson coefficients  $C_9$  and  $C_{10}$ . We analyze the implications on squark flavor violation in supersymmetric models. The left-right mixing mass insertion parameter in the up-sector –which so far is mostly unconstrained by flavor data– is the most sensitive flavor parameter in this regard. We also study the expected enhancement from near-future data, in particular from the LHCb. Some possible consequences for SUSY flavor models are briefly discussed.

**Presenter:** Dr GROSS, Christian (TU Dortmund)

**Session Classification:** Parallel Session 8