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## The Top Quark Forward Backward Asymmetry, Right Handed Charge Currents, and $V_{ub}$

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### **Abstract:**

Recent measurements of the top quark forward-backward asymmetry at the Tevatron could hint at new physics with an unexpected flavor structure. The significance of such an abnormal flavor structure in alleviating the tension between the various determinations of  $V_{ub}$  via right-handed charge currents is studied. In particular, we elaborate on how the associated new flavor changing couplings naturally allow for the generation of anomalous loop-induced right-handed charge currents which can simultaneously remove the tension in the determinations of  $V_{ub}$  and escape the tight indirect bounds from rare B meson decays.

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