Contribution ID: **922** Type: **Parallel Session Talk**

Flavor Physics in a Warped Extra Dimension

Saturday, 24 July 2010 16:05 (13 minutes)

A comprehensive analysis of tree-level weak interaction processes at low energy is presented for different implementations of the Randall-Sundrum model with gauge and matter fields in the bulk and brane-localized Higgs sector. The complete form of the effective weak Hamiltonian is obtained, which results from tree-level exchange of Kaluza-Klein (KK) gluons and photons, the W and Z bosons and their KK excitations, as well as the Higgs boson. A detailed phenomenological analysis is performed for potential new-physics e_ects in neutral-meson mixing and in rare decays of kaons and B mesons, including both inclusive and exclusive processes.

Primary author: NEUBERT, Matthias (Johannes Gutenberg University Mainz)

Presenter: NEUBERT, Matthias (Johannes Gutenberg University Mainz)

Session Classification: 06 - CP violation, CKM and Rare Decays

Track Classification: 06 - CP violation, CKM and Rare Decays