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Precision constraints on warped scenarios with custodial protection

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Randall-Sundrum scenarios offer a well-motivated alternative to supersymmetry as a solution to the hierarchy problem. In addition, bulk fermions allow for an interesting geometrical origin of the observed flavor hierarchies, as well as a natural suppression of neutral flavor changing effects. Recent progress has allowed to control potentially large contributions to the electroweak precision observables, and therefore lower the bounds on the new physics. I present the results of a global fit to the electroweak data in representative examples. Interestingly, loop effects select regions of parameter space with relatively light Kaluza-Klein resonances that can lead to an interesting phenomenology at the LHC.

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