

Abstract Submitted
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Heavy Charged Leptons in 6-dimensional Randall-Sundrum Model ERIN DE PREE, DIETRICH KIESEWETTER¹, St. Mary's College of Maryland — We consider the effects of adding a fourth generation to a model with two compactified extra dimensions – one warped and the other flat. The extra dimensions lead to towers of Kaluza-Klein (KK) Z bosons. Interestingly, the higher KK-Z modes depending on the flat dimension contribute more than the warped dimension. These KK-Z modes enhance the cross-section of fourth generation charged leptons. The most promising signature is the heavy charged lepton decaying to a heavy neutrino and W boson.

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