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Ultra visible warped models at hadron colliders

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We present a class of warped models where the SM flavor hierarchies are determined by UV physics. These Flavor Triviality (FT) models display a sweet-spot of parameters where a KK-gluon mass as low as O(2)TeV is consistent with EWPTs. In contrast with the so-called anarchic warped models, FT models show no tension with either FCNCs or EDMs, while naturalness is potentially improved. Furthermore, FT warped models exhibit new exciting phenomenology at hadron colliders. At the Tevatron frontier, we show that they can naturally account for the dimuon anomaly in B decays and a sizable forward-backward asymmetry in t-tbar production, as recently reported by both CDF and D0. Also, the discovery potential of a warped extra dimension at the early LHC is significantly improved compared to the anarchic case, as the KK-gluon production cross section in FT models can be as large as few picobarns.

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