

# Proton decay and wavefunctions in F-theory GUTs

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We study proton decay in Grand Unified Models based on F-theory. We calculate the coupling of the heavy Higgs triplet modes to the light quark generations. This coupling plays an essential part in dimension 5 proton decay and we show that it is very different from the associated Yukawa coupling.

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**Classification de Session:** Non-Perturbative QFT and String Theory