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U(1) Symmetries in Global F-Theory Compactifications with GUTs

Wednesday 25 September 2013 14:00 (30 minutes)

In this talk we will describe the construction of F-Theory GUT models for elliptically fibred Calabi-Yau four-folds admitting a non-trivial Mordell-Weil group. We work out the matter spectrum and Yukawa couplings, including singlets, for these geometries and present the fluxes corresponding to the U(1) symmetries.

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