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Heterotic/F theory dual SU(5) model

Friday 7 July 2023 14:00 (30 minutes)

In this talk I present some results of a Heterotic/F theory dual global SU(5) model with Wilson line breaking of SU(5) down to the Standard Model gauge symmetry. The model contains 3 families of quarks and lepton doublets and one pair of Higgs doublets. We solve the problem of vector-like exotics which stymied the use of Wilson line breaking in the past. Our model has a complete twin sector and a Z_2 and Z_4^R symmetry which prevents dimension 4 and 5 baryon and lepton number violating operators.

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