

THE STRING THEORY UNIVERSE - 22nd European string workshop and Final COST MP1210 Conference



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Talk 8: Erik Plauschinn

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Title: Partial SUSY Breaking for Asymmetric Gepner Models and Non-geometric Flux Vacua

Asymmetric Gepner models of type IIB string theory with $N=1$ space-time supersymmetry are constructed. The combinatorics of the massless sector suggests, that these classical Minkowski vacua provide fully back-reacted solutions corresponding to $N=1$ minima of $N=2$ gauged supergravity. They include, in particular, Calabi-Yau compactifications with so-called non-geometric fluxes.