

String compactifications from top to bottom

Monday 3 June 2024 09:50 (1 hour)

To properly understand String Theory, we must understand its vast space of solutions – the string Landscape –. The talk will review recent progress in this quest, starting with higher-dimensional supersymmetric vacua where a combination of top-down constructions and bottom-up consistency principles (Swampland constraints) have led to string universality – a match between the set of low-energy EFT's satisfying bottom-up consistency conditions and those arising from top-down stringy constructions. We will then move on to less supersymmetric examples, ending in exciting new developments in the arena of non-supersymmetric string vacua.

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