Axions at small Calabi-Yau subvolumes

Pang Yen Byron Chen*[1]

[1]Cornell University [New York] – Ithaca, New York 14853, United States

Abstract

C4 axions in Type IIB Calabi-Yau compactifications of string theory have been extensively phenomenologically studied. Typically, the effective field theory is obtained from the tree level Kähler potential of Kähler moduli, where parametric control over the α' expansion is understood in regions of r 2$ corrections to the Kähler potential at tree level in g_s but to all orders in α'. This allows us to study regions of moduli Yau geometries. This additional region can be of significant measure, and also potentially allows one to access phenome

*Speaker