ICTS - String Theory Seminar

Title : Constraints on CFTs in large dimensions

Speaker : Abhijit Gadde, TIFR, Mumbai

Date : Thursday, October 24, 2019

Time : 4:00 PM

Venue : Emmy Noether Seminar Room

Abstract : I will talk about the constraints imposed by unitarity, crossing symmetry and existence of a stress tensor on the four point function of identical scalar operators in large dimension D. I will show that when the dimension of the scalar is less than D then the four point function is parametrized by a single number at leading order in 1/D perturbation theory. I will also discuss possible extension of this result to all orders in 1/D perturbation theory.