

ICTS Seminar

Title : Progress in calculating current correlators in AdS/CFT

Speaker : Savan Kharel, Yale University, USA

Date : Friday, June 2, 2017

Time : 11:30 AM

Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore

Abstract : I will talk about some work under progress regarding the computation of five-point functions of conserved current in AdS/CFT. In this talk, I will review the recursion relation developed by Raju to compute correlators of current and stress tensor which sidesteps complicated evaluation of Feynman-Witten diagrams. Using the recursion relation, we will show that the five-point function can be computed using similar recursive techniques. We will also show how some color-ordered identities are useful in checking the answer for the four-point and five-point functions. Finally, we will end with the comment about generalizing such recursion relation to compute higher point correlation functions of current and stress tensor.