

Panel discussion on "String Field Theory beyond string theory"

Friday, 24 September 2021 14:30 (1 hour)

The impact of SFT in deciphering string perturbation theory and giving novel insights into certain non-perturbative aspects is widely appreciated. However, the impact of SFT and the techniques it gave rise to has far-reaching applications well beyond stringy physics. For example, open string field theory can be used to gain a new perspective on BCFT. The homotopy algebra and BV formalism, ubiquitous in string field theory, play a prominent role in QFT, leading to several recent new results. Unitarity, Analyticity, Wilsonian action for SFT has also given rise to new insights into QFTs. This panel will discuss the merits of a position that research in SFT has fueled new insights into physics beyond string theory and will continue to do so in the future. It will also be discussed what other similar developments can we expect and in which directions.

Presenters: BERKOVITS, Nathan; OKAWA, Yuji; SCHNABL, Martin; SEN, Ashoke (Harish-Chandra Research Institute)