



ICTS

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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

## ICTS String Seminar

**Title** : Correlators in conformal field theory with defect

**Speaker** : Parijat Dey (S. N. Bose National Centre for Basic Sciences)

**Date** : Wednesday, 08<sup>th</sup> May 2024

**Time** : 3:00 PM (IST)

**Abstract** : We study the dynamics of a conformal field theory (CFT) with a line defect. The defect acts as a relevant perturbation that undergoes a renormalisation group flow from a defect CFT in the UV to another in the IR. We show how to obtain the correlation functions of the CFT at the defect fixed point using the Feynman diagrams as well as the tools of conformal bootstrap.

**Venue** : Emmy Noether Seminar Room

Zoom link: <https://icts-res-in.zoom.us/j/88092766911?pwd=R3ZrVk9yeW96ZmQ4ZG9KRzVhenRKZz09>

Meeting ID: 880 9276 6911

Passcode: 232322

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