



Contribution ID: 453

Type: **Talk in the parallel session**

What does zero modes tell us about entanglement ?

Tuesday, 6 July 2021 10:10 (20 minutes)

It has been known that the zero modes can contribute towards divergence in the entanglement entropy and the nature of the divergent term

can be either \log or $\log(\log)$. However, a clear understanding of what leads to these two different forms of zero mode divergence is still lacking.

So, in order to throw some light along this direction, I will talk about how these two different divergent behaviours can be seen as a signature of a crossover in the zero mode limit for the ground state entanglement.

Primary author: JAIN, PARUL (INDIAN INSTITUTE OF TECHNOLOGY-BOMBAY, INDIA)

Co-authors: CHANDRAN, S. Mahesh (IIT Bombay); Prof. SHANKARANARAYANAN, S (IIT Bombay)

Presenter: JAIN, PARUL (INDIAN INSTITUTE OF TECHNOLOGY-BOMBAY, INDIA)

Session Classification: Conformal Dilaton Gravity and Related Issues

Track Classification: Alternative Theories: Conformal Dilaton Gravity and Related Issues