

$O(N) \times O(2)$ model from 3D to 4D - the tale of disappearing fixed points

Monday, 19 February 2024 09:00 (1 hour)

$O(N) \times O(2)$ model furnishes an example of a system where unitary fixed points exist in a range of N above some $N_c(d)$, where $N_c(d)$ is a rapidly varying function. I will describe how $N_c(d)$ can be found using the conformal bootstrap. Joint work with Marten Reehorst, Balt van Rees, and Benoit Sirois.

Presenter: RYCHKOV, Slava (IHES, Bures-sur-Yvette)