

Aspects of 5d Seiberg-Witten Theories on S^1

Tuesday, 23 November 2021 11:45 (15 minutes)

We study the 5D $N=1$ Yang-Mills theory compactified on a circle, focusing on the Coulomb branch. The compactified theory has a very complicated wall-crossing pattern, but on the other hand, there seems to be no wall-crossing for 5d theory. In this talk, I will keep track of the wall-crossing phenomenon from compactified theory to its 5d limit, and see how the wall-crossing turns off. We find the elliptic genera of magnetic BPS strings do wall-cross and retain the memory of 4d wall-crossings.

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Session Classification: Short talks