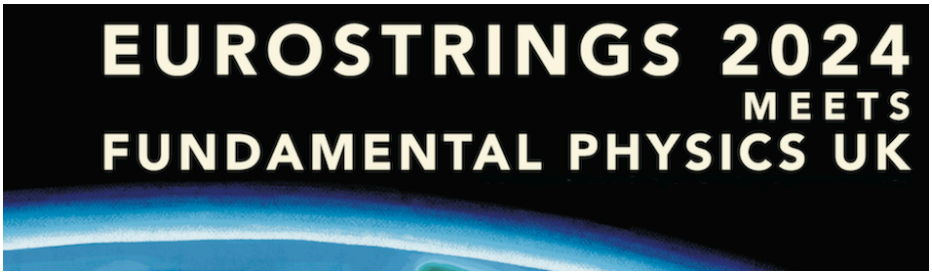

Contribution ID: **83** Type: **Talk in parallel session**

Supersymmetric localization of N = (2,2) theories on a spindle

Thursday 5 September 2024 14:00 (30 minutes)

There has been recent interest in supergravity solutions which display the singularities of a particular 2-orbifold known as a "spindle". In this talk I will discuss the computation of the partition function of N = (2,2) SQFTs on the spindle via the technique of supersymmetric localization. I will explain how this background avoids the classes of 2-manifolds for which direct N = (2,2) localization has previously been considered and discuss and interpret the computation of 1-loop determinants, making comparison between the unpaired eigenvalue method and the "spindle index" of https://arxiv.org/abs/2312.17086. Time permitting, I will discuss connections with supergravity and accelerating black hole solutions. This talk is based on ongoing work with Augniva Ray, Hyojoong Kim, Imtak Jeon and Nakwoo Kim.

Link to publication (if applicable)

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Session Classification: Parallel sessions

Track Classification: Supergravity 2