Mathematical Physics
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I N V I T A T I O N

as part of the Mathematical Physics Theory Seminar

to the talk by

Marina MOLETI
(SISSA, Trieste)

on

"Calabi-Yau threefold flops as quiver varieties from monopole deformations"

Abstract:

We present a new algorithm to extract the quiver and superpotential of a broad class of threefolds that fall under simple threefold flops. These geometries are generally non-toric and can be viewed as monodromic fibrations over a complex plane of deformed ADE singularities. We illustrate how the quantum field theory of a D2 brane probing these spaces captures their non-commutative resolution (NCCR).

Time: Tuesday, 3 December 2024, 2:00 p.m.

Location: Erwin-Schrödinger Lecture Hall, 1090 Vienna, Boltzmanngasse 5, 5th floor

sgd. S. Fredenhagen, M. Sperling