



INVITATION

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, Boltzmannngasse 5, 5th floor