## COLLOQUIUM

# Small Kinetic Mixing from String Theory

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**Abstract** I will start by recalling some basics of kinetic mixing between the Standard Model and a hidden-sector $U(1)$. Experimentally, there exist strong constraints making the case of an extremely small mixing parameter most interesting. By contrast, Swampland arguments and the most naive field-theoretic expectations suggest that order-one mixing is generic. I will argue that, nevertheless, simple string-theoretic constructions can very naturally lead to extremely small mixing between the visible and hidden $U(1)$ due to sequestering in large compact dimensions.

**30**

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**2.00 pm (CEST)**

Zoom link: https://stockholmuniversity.zoom.us/j/2461001998