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Ivo Sachs (LMU München)  
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JOHANNES GUTENBERG  
UNIVERSITÄT MAINZ



# RIND seminar on Mathematical Physics and String Theory

April 24, 2023 at 4 p.m. c.t.  
None

Joint seminar series on Mathematical Physics and String Theory

Ed Segal  
University College London

## **Fukaya categories at singular values of the moment map**

Given a Hamiltonian torus action on a symplectic manifold, Fukaya and Teleman tell us that we can relate the equivariant Fukaya category to the Fukaya category of a symplectic reduction. Yanki Lekili and I have some conjectures that extend this story - in certain special examples - to singular values of the moment map.

I'll also explain the mirror symmetry picture that we use to support our conjectures, and how we interpret our claims in Teleman's framework of 'topological group actions' on categories.

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