



Seminar/Talk

BPS spectra and 3-manifold invariants

Pavel Putrov

IAS Princeton

Host: Tamas Hausel

In my talk I will conjecture existence of certain new homological invariants of 3-manifolds. The invariants provide categorification of the analytically continued WRT invariant and have some similarities with Heegaard/monopole Floer homology. Physically such invariants can be defined as Hilbert spaces of M-theory in certain backgrounds. I will describe mathematical properties of such invariants, their relation to open topological strings and how to calculate them for some specific types of 3-manifolds. The talk is mainly based on a joint work with S. Gukov, D. Pei and C. Vafa.

Wednesday, March 29, 2017 01:45pm - 03:45pm

Mondi Seminar Room 2, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.