

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## **GEOMETRY SEMINAR**

# **Beyond the Kontsevich Soibelman integrality conjecture**

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### **Abstract**

I will discuss recent work with Sven Meinhardt, starting by explaining what the integrality conjecture is, before explaining the categorified analog of this conjecture, stated in terms of Hall algebras. The proofs of these conjectures makes concrete the link between Donaldson-Thomas theory and quantum groups (specifically, Yangians).

Date: September 10, 2015 (Thursday)

Time: 4:30 – 5:30pm

Place: Room 210, Run Run Shaw Bldg., HKU

*All are welcome*