



## Seminar/Talk

# Relating the Quantum connection and the Quantization of Symplectically Dual Spaces

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Host: Tamas Hausel

I will discuss joint work with Joel Kamnitzer and Nick Proudfoot. Symplectic resolutions are a class of symplectic varieties playing a major role in geometric representation theory. They tend to come in symplectically dual pairs. To any such resolution  $X$  we can attach two natural D-modules; the quantum connection arises from the enumerative geometry of  $X$ , whereas the Harish-Chandra D-module arises from the representation theory of the quantization of  $X$ . We conjecture (and prove in a number of cases) a relationship between these D-modules for symplectically dual pairs. No knowledge of quantum connections or symplectic resolutions will be presumed.

**Thursday, November 9, 2017 02:00pm - 04:00pm**

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.