



## Mathematics and CS Seminar

# Cohomology of the moduli of Higgs bundles and the Hausel-Thaddeus conjecture

**Davesh Maulik**

MIT Mathematics

Host: Tamas Hausel

In this talk, I will discuss some results on the structure of the cohomology of the moduli space of stable  $SL_n$  Higgs bundles on a curve. One consequence is a new proof of the Hausel-Thaddeus conjecture proven previously by Groechenig-Wyss-Ziegler via  $p$ -adic integration. We will also discuss connections to the  $P=W$  conjecture if time permits. Based on joint work with Junliang Shen.

**Thursday, October 29, 2020 02:00pm - 03:30pm**

<https://mathseminars.org/seminar/AGNTISTA>



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.