



Seminar/Talk

# Universal global nilpotent cone

**Zhiwei Yun**

MIT Mathematics

Host: Tamas Hausel

The global nilpotent cone is the zero fiber of the Hitchin map in the moduli space of Higgs bundles over an algebraic curve. It is a conic Lagrangian in the ambient symplectic moduli space, and it plays an important role in the geometric Langlands program. In this talk we define a version of the global nilpotent cone for a family of curves. It will be a closed conic Lagrangian in the cotangent bundle of the total space of the family of Bun<sub>G</sub>'s for the family of curves. Implicitly it encodes a "connection" among the category of sheaves on Bun<sub>G</sub> as the curve varies. I will mention the motivation of the construction from Betti geometric Langlands. This is joint work with David Nadler. Notes: <https://seafile.ista.ac.at/f/4a298acb2afe4d648e89>

**Thursday, May 20, 2021 02:00pm - 04:00pm**

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



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