

**18 июня 2021 г (пятница)**

**в 17:00**

На семинаре выступит

**Jack Mundiger  
(University of Chicago)**

с докладом:

## **Frobenius-constant quantization of line bundles**

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*Bezrukavnikov and Kaledin introduced quantizations of symplectic varieties  $X$  in positive characteristic which endow the Poisson bracket on  $X$  with the structure of a restricted Lie algebra. We consider deformation quantization of line bundles on Lagrangian subvarieties  $Y$  of  $X$  to modules over such quantizations. If the ideal sheaf of  $Y$  is a restricted Lie subalgebra of the structure sheaf of  $X$ , we show that there is a certain cohomology class which vanishes if and only if a line bundle on  $Y$  admits a quantization. Further, we analyze the Chern class of such line bundles.*

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**Приглашаются все желающие!**