

## Algebraic Geometry Seminar

### *Logarithmic Hodge theorem via derived intersections*

Marton Hablicsek (Penn)

**Abstract:** In a beautiful paper Deligne and Illusie proved the degeneration of the Hodge-to-de Rham spectral sequence using positive characteristic methods. Later Kato generalized their results to logarithmic schemes. In the talk I give a geometric interpretation of Kato's result using derived intersections generalizing a result of Arinkin, Caldararu and myself.

Wednesday, April 6 at 4:00 PM in SEO 427