

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

**ALGEBRAIC GEOMETRY AND
REPRESENTATION THEORY OVER F_1**

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BU

Sept 18, 2013, 4:00 – 5:00pm
Math/Computer Science, Room148
111 Cummington Street, Boston

Tea: 3:45pm in Room MCS 144

Abstract: I will review some of the historical motivations for developing a version of algebraic geometry over “the field of one element,” and describe one such approach due to Deitmar via monoidal schemes. I will also discuss several examples of non-additive categories where the Hall algebra construction makes sense, and show how various combinatorial Hopf algebras arise in this context.

See <http://math.bu.edu/research/geom/seminar.html> or contact Si Li sili@math.bu.edu for more information.