

COLLOQUIUM  
UNIVERSITY OF PITTSBURGH  
THURSDAY, JANUARY 18, 2007  
704 THACKERAY HALL  
3:00 P.M.

**SPEAKER: PROFESSOR MIHRAN PAPIKIAN\***

**DEPARTMENT OF MATHEMATICS  
STANFORD UNIVERSITY**

**TITLE: DRINFELD MODULAR VARIETIES  
AND THE WEIL-DELIGNE BOUND**

**ABSTRACT:** We show that appropriate quotients of Drinfeld modular varieties and the modular varieties of D-elliptic sheaves have many rational points over certain finite fields compared to their Betti numbers. This is a generalization of some well-known results for modular curves to higher dimensions.

**Refreshments served at 2:30 p.m.  
in the Math Dept. COMMON ROOM, Thackeray 705**

\*The speaker is a candidate for a position in the Department.