

COLLOQUIUM
UNIVERSITY OF PITTSBURGH
THURSDAY, JANUARY 10, 2008
704 THACKERAY HALL
3:00 P.M.

PROFESSOR XUHUA HE

SUNY AT STONY BROOK

INTRODUCTION TO G -STABLE PIECES

ABSTRACT: The notation of G -stable pieces was introduced by Lusztig in the study of parabolic character sheaves. It has a rich structure, combining combinatorics, group theory, geometric representation theory and other fields. In this talk, we will discuss the G -stable pieces from the point of view of combinatorics of Weyl groups. We will also talk about some connection with algebraic geometry and Poisson geometry.

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.