

COLLOQUIUM
UNIVERSITY OF PITTSBURGH
FRIDAY, NOVEMBER 21, 2008
704 THACKERAY HALL
4:00 P.M.

PROFESSOR FENGBO HANG
COURANT INSTITUTE OF MATHEMATICAL SCIENCES
NEW YORK UNIVERSITY

SOME RIGIDITY RESULTS FOR MANIFOLDS WITH BOUNDARY

ABSTRACT: We will discuss several rigidity results for manifolds with boundary and nonnegative Ricci or scalar curvature. They all fall in the same theme of understanding the relations between the interior geometry and the geometry of the boundary. Our approach are by considering related PDEs and hence are analytical in nature (joint work with Xiaodong Wang).

Refreshments served at 3:30 p.m.
in the Math Dept. COMMON ROOM, Thackeray 705