

## ***RIGIDITY OF CONVEX COCOMPACT DIAGONAL ACTIONS***

**Speaker: Beibei Liu**  
**The Ohio State University**

**Time: Fri, July 4th, 14:30 - 15:30**

**Venue: Room 102, SCMS**

**Abstract:**

Convex subsets in higher-rank symmetric spaces are pretty rigid compared to rank 1 symmetric spaces, as proved by Kleiner and Leeb. In this talk, I will talk about convex subsets in products of negatively curved Hadamard manifolds. In particular, we show the limit cone is 1-dimensional if the diagonal action is convex cocompact, which induces some rigidity result of the diagonal representation. This is joint work with Subhadip Dey.