Beijing Geometry and Physics Colloquium

Speaker: Hiroshi Iritani (Kyoto University)

Yunfang Jiang (Kansas University)

Time: October 10, 2015

Venue: No.77201 , Jing Chun Yuan 78

Beijing International Center for Mathematical Research

This is 9-th Beijing Geometry and Physics Colloquium, a weekend conference series rotated among universities in Beijing area. The focus of current conference is "Crepant Resolution Conjecture", a famous conjecture in the subject of Gromov-Witten theory. Crepant resolution conjecture was solved recently for complete intersection of toric varieties by Tom Coats, Hiroshi Iritani and Yunfang Jiang. Hiroshi Iritani and Yunfang Jiang will present their proof on Oct 10 colloquium.

Schedule:

9:00-10:00: Yunfeng Jiang, Kansas University

Pre-talk for students: Introduction to toric Deligne-Mumford stacks and the GIT wall crossing

10:30-11:30: Hiroshi Iritani. Kyoto University

Pre-talk for students: Introduction to crepant transformation conjecture

14:30-15:30: Hiroshi Iritani, Kyoto University

Mirror symmetry, gamma structure and crepant transformation conjecture for toric stacks

16:00-17:00: Yunfeng Jiang, Kansas University

The Crepant Transformation Conjecture for toric stacks: Fourier-Mukai matches the analytic continuation of quantum connections.