BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

FAMILY FLOER THEORY FOR TORIC MANFIOLDS

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September 30, 2020, 4-5pm
Zoom link:
https://bostonu.zoom.us/j/97456419902?pwd=Vk5hdGQ0dlgwTXZkZ1hRUHM0WndqZz09
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Abstract: Given a Lagrangian fibration, my recent work gives a natural construction of a rigid analytic space and a global Landau-Ginzburg potential, based on Fukaya's family Floer theory and non-archimedean geometry. In this talk, I will discuss my work in progress, which explains how to apply this construction to the toric manifolds. Specifically, I will discuss the moment map fibration on a toric manifold and the Gross's fibration on a toric Calabi-Yau manifold. I will explain how the outcomes are related to the previous works of Cho-Oh, Fukaya-Oh-Ohta-Ono, Chan-Lau-Leung, and Abouzaid-Auroux-Katzarkov.

See `http://math.bu.edu/research/geom/seminar.html` or contact Yu-Shen Lin (*yslin@bu.edu*) or Siu-Cheong Lau (*lau@math.bu.edu*) for more information.