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**Hang Yuan\***, 350 Circle Road, Stony Brook, NY 11790. *Family Floer theory of toric manifolds and wall-crossing phenomenon.*

In this talk, I explain my recent work (arXiv:2101.01379). We apply the Floer-theoretic SYZ mirror construction over the Novikov field (arXiv: 2003.06106) to the moment map fibration on a toric manifold and to the Gross's special Lagrangian fibration on a toric Calabi-Yau manifold. In the first case, we obtain a simple reinterpretation of Fukaya-Oh-Ohta-Ono's work on compact toric manifolds in the sense of family Floer theory. In the second case, we obtain a formal power series identity that involves the counts of both Maslov-zero and Maslov-two holomorphic disks. It can particularly retrieve a computation of one-pointed open Gromov-Witten invariants in Chan-Lau-Leung's work. (Received January 17, 2021)