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Bohan Fang* (bohanfang@gmail.com). *Integral structures and HMS for toric varieties.*

The mirror of a toric variety is a Landau-Ginzburg model. Using the coherent-constructible correspondence and the microlocalization theorem (Nadler-Zaslow, Ganatra-Pardon-Shende) relating Lagrangian branes and sheaves, one computes the integrals on the mirror Lagrangian branes. The answer is related to the integral structure of the quantum cohomology, and proves the Gamma II conjecture in this setting. This talk is based on the joint work with Peng Zhou. (Received November 16, 2018)