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**Jake P. Solomon** and **Sara B. Tukachinsky\***, sarabt@ias.edu. *Relative quantum cohomology.*

We define a quantum product on the cohomology of a symplectic manifold relative to a Lagrangian submanifold, with coefficients in a Novikov ring. The associativity of this product is equivalent to an open version of the WDVV equations, for an appropriate disk superpotential we define via Fukaya  $A_\infty$  structures and bounding chains. This is joint work with Jake Solomon. No prior knowledge of the subject matter will be assumed. (Received January 11, 2021)