



The Particle, Nuclear, and Astronomical Sciences Seminar Series presents this  
*Sowers Theoretical Physics Seminar*

Josh Guffin  
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*Deformed Quantum Cohomology and  
(0,2) Mirror Symmetry*

**Abstract:**

I will discuss a method for computing correlators and chiral rings for (0,2) heterotic non-linear sigma models with toric targets, whose left-movers couple to a holomorphic deformation of the tangent bundle. The chiral ring for a family of deformations of the product of two rational curves' tangent bundle will be presented as a specific example. These computations provide a conceptually simple, though computationally complex, check of recent (0,2) mirror symmetry results.

**Mon., Oct. 22**

**2:30 P.M.**

**304 Robeson**

<http://www.phys.vt.edu/~talks/IPNASseminars/0708.html>