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**Lance Edward Miller\*** (lmiller@math.utah.edu), **Kazuma Shimomoto** and **Jun Horiuchi**.

*Sufficient conditions for F-injectivity to deform.* Preliminary report.

It is a long standing conjecture that F-injectivity deforms. In this talk, we discuss some simple criteria on local cohomology sufficient to give that F-injectivity deforms. These will apply to show that F-injectivity deforms when the non-CM locus of the special fiber is isolated and combining with recent work of L. Ma, it will show that F-purity deforms to F-injectivity. (Received September 21, 2012)