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Florian Enescu* (fenescu@gsu.edu), 30 Pryor St 750 COE, Georgia State University,
Department of Mathematics and Statistics, Atlanta, GA 30303. *A finiteness condition on local
cohomology*. Preliminary report.

The talk will discuss a condition on a local Cohen-Macaulay F-injective ring of positive characteristic $p > 2$ which implies that its top local cohomology module with support in the maximal ideal has finitely many Frobenius compatible submodules. A conjecture will be formulated along these lines. (Received January 19, 2011)