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**Anurag K. Singh\*** ([singh@math.utah.edu](mailto:singh@math.utah.edu)). *Local cohomology over the integers.*

We will discuss a duality result for graded local cohomology of a polynomial ring of prime characteristic, and show how this may be applied to the study of local cohomology of polynomial rings over the integers.

This is joint work with Gennady Lyubeznik and Uli Walther. (Received January 27, 2014)