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Thomas Lam* (tfylam@umich.edu) and **David Speyer**. *DeRham cohomology of cluster algebras*. Preliminary report.

I will talk about work in progress where we are trying to compute the algebraic deRham cohomology of cluster algebras. The main application we have in mind is to the calculation of the cohomology of open Richardson varieties (likely to be cluster varieties), which can be identified with the Ext-spaces of Verma modules of a complex simple Lie algebra. (Received February 01, 2013)