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Milen Yakimov* (yakimov@math.lsu.edu), Department of Mathematics, Louisiana State University, Baton Rouge, LA 70808, and **Tom Lenagan**. *Clusters for quantum Richardson varieties*.

Quantized coordinate rings of open Richardson varieties can be realized in terms of prime quotients of quantum Schubert cell algebras. We will explain how initial quantum clusters for them can be constructed using Cauchon's method of deleting derivations. Apart from the problem of constructing cluster algebra structures on quantum Richardson varieties, this also has applications to the realization of the orbit method for quantized universal enveloping algebras of nilpotent Lie algebras. (Received September 14, 2014)