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**Anders Buch\*** (asbuch@math.rutgers.edu), **Pierre-Emmanuel Chaput**, **Leonardo Mihalcea** and **Nicolas Perrin**. *A Chevalley formula for equivariant quantum K-theory of cominuscule varieties*. Preliminary report.

I will speak about a uniform Chevalley formula for multiplying with a divisor in the equivariant quantum K-theory ring of any cominuscule variety. The family of cominuscule varieties includes Grassmannians of type A, Lagrangian Grassmannians, maximal orthogonal Grassmannians, quadric hypersurfaces, and two exceptional varieties of type E. I will also discuss some applications. This is work in progress with P.-E. Chaput, L. Mihalcea, and N. Perrin. (Received September 23, 2014)