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Laura Colmenarejo* (lcolmen@ncsu.edu), 2311 Stinson Drive, Campus Box 7212, Raleigh, NC 27695, and **Carolina Benedetti, Nantel Bergeron, Franco Saliola** and **Frank Sottile**. *A Murnaghan-Nakayama rule for quantum cohomology of the flag manifold.*

In this talk, I will recall the classical multiplication of a Schubert polynomial by a hook Schur polynomial and I will present a general rule for the analog multiplication in the quantum framework. This is current work with C. Benedetti, N. Bergeron, F. Saliola, and F. Sottile. (Received September 20, 2021)