1022-14-103 **Hugh Thomas*** (hugh@math.unb.ca), Department of Mathematics and Statistics, University of New Brunswick, Fredericton, NB E3B 1J4, Canada, and **Alexander Yong** (ayong@math.umn.edu), School of Mathematics, 127 Vincent Hall, 206 Church St. SE, Minneapolis, MN 55455. *A combinatorial rule for (co)minuscule Schubert calculus.*

I will discuss a root system uniform, concise combinatorial rule for Schubert calculus in *minuscule* and *cominuscule* flag manifolds G/P. (The latter are also known as *compact Hermitian symmetric spaces*.) We connect this geometry to work of Proctor in poset combinatorics, thereby generalizing the Schutzenberger's *jeu de taquin* formulation of the Littlewood-Richardson rule for computing intersection numbers of Grassmannian Schubert varieties. I will explain the rule, give some background, and, time permitting, give some idea of the proof, including the notion, which we introduce, of *cominuscule recursion*, which is a general technique which relating the structure constants for different Lie types. This talk is based on the preprint (with the same title) math.AG/0608276. (Received September 11, 2006)