

Meeting: 1001, Evanston, Illinois, SS 1A, Special Session on Modern Schubert Calculus

1001-14-230 **Harry Tamvakis*** (harryt@brandeis.edu), Brandeis University, Department of Mathematics,
Waltham, MA 02454. *Quantum cohomology of isotropic Grassmannians.*

Let G be a classical Lie group and P be a maximal parabolic subgroup of G . The homogeneous space $X = G/P$ is a Grassmannian which parametrizes subspaces in affine space which are isotropic with respect to a nondegenerate symmetric or skew symmetric bilinear form. We will discuss certain aspects of our work on the structure of the classical and small quantum cohomology ring of X ; this is a joint project with Anders Buch and Andrew Kresch. (Received August 27, 2004)