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*Restricting Schubert classes, puzzles, and Lagrangian correspondences*

The inclusion of the symplectic Grassmannian of isotropic  $k$ -planes into the Grassmannian of all  $k$ -planes prompts the question of understanding the pullback map in (equivariant) cohomology in terms of the bases of Schubert classes. We compute this expansion positively in the combinatorial setting of puzzles, by studying a certain duality on them. I will outline this result and describe how a further generalization and geometric interpretation via Lagrangian correspondences can be obtained by upgrading the Grassmannians to their cotangent bundles and the Schubert classes to Segre-Schwartz-MacPherson classes. This is joint work with Allen Knutson and Paul Zinn-Justin.