1120-05-246   **Rosa C Orellana*** (`rosa.c.orellana@dartmouth.edu`), Mathematics Department, 6188
Kemeny Hall, Hanover, NH 03755, and **Mike Zabrocki**. *Symmetric group characters as
symmetric functions.* Preliminary report.

The characters of the general linear group are symmetric functions. The irreducible characters are found by evaluating
Schur polynomials at eigenvalues of matrices. In this talk I will introduce a new basis for symmetric functions such that
when evaluated at the eigenvalues of a permutation matrix we get the irreducible characters of the symmetric group.
This basis has as structure coefficients the stable (reduced) Kronecker coefficients.

This is joint work with Mike Zabrocki. (Received February 22, 2016)