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Brooke Feigon*, Department of Mathematics, The City College of New York (CUNY), NAC
8/133, New York, NY 10031. *L-functions, periods and the relative trace formula for $GL(2n)$.*

An important result of Waldspurger relates central values of quadratic base change L-functions of cusp forms on $GL(2)$ to period integrals over the corresponding tori. This result was reproved by Jacquet using the relative trace formula. In this talk I will discuss joint work with Kimball Martin and David Whitehouse on extending Jacquet's approach to Waldspurger's result to higher rank groups. (Received September 23, 2012)