1123-47-259 **Maria Cristina Pereyra*** (crisp@math.unm.edu), Department of Mathematics and Statistics, MSC01 1115, 1 University of New Mexico, Albuquerque, NM 87131. *Quantitative inequalities for the dyadic paraproduct.*

In this talk we present quantitative two weight L^2 estimates for the dyadic paraproduct associated to a function b. Our conditions on the pair of weights (u, v) are a joint A_2 and a Carleson condition (both necessary and sufficient for the boundedness of the dyadic square function) and an additional Carleson condition involving the weights and b that we call $Carl_{u,v}$. We compare our results to those of Holmes, Lacey, and Wick for the paraproduct where the weights are assumed to be in A_2 and b in Bloom's BMO. This is joint work with Oleksandra Beznosova, Jean Moraes, and Daewon Chung. (Received August 28, 2016)