

1125-46-2015 **Maria Cristina Pereyra*** (crisp@math.unm.edu), Department of Mathematics and Statistics,
MSC01 1115, 1 University of New Mexico, Albuquerque, NM 87131. *Equivalent definitions of
product Hardy spaces on spaces of homogeneous type*. Preliminary report.

We discuss different characterization of product Hardy spaces on spaces of homogeneous type: atomic, based on square functions and Auscher-Hytonen wavelets, based on square functions and Haar functions over adjacent families of dyadic cubes. This is joint work with Jongsheng Han, Anna Kairema, Ji Li, and Lesley Ward. (Received September 19, 2016)