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Jennifer R Good* (goodje@uwplatt.edu), Department of Mathematics, University of Wisconsin - Platteville, 435 Gardner Hall, 1 University Plaza, Platteville, WI 53818. *Weighted Nevanlinna-Pick Interpolation over W^* -Algebras*. Preliminary report.

Inspired by Popescu's work with noncommutative varieties, Muhly and Solel recently extended their study of the Hardy algebras that arise from W^* -correspondences to accommodate operator-valued weights. We will consider several classical notions that generalize to this setting, for instance the interpolation results of Nevanlinna and Pick. (Received September 22, 2015)