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**Isaac Goldbring\*** ([isaac@math.uic.edu](mailto:isaac@math.uic.edu)), Department of Mathematics, Science and Engineering Offices, 851 S. Morgan St., Chicago, IL 60607, and **Thomas Sinclair**. *Model theory and the Weak Expectation Property*.

A C\* algebra  $A \subseteq \mathcal{B}(H)$  is said to have the *weak expectation property* (WEP) if there is a u.c.p. map  $\Phi : \mathcal{B}(H) \rightarrow A^{**}$  that is the identity on  $A$ . We first show how to use a result of Junge and Pisier together with some basic model theory to prove that no ultrapower of  $\mathcal{B}(H)$  has the WEP. We then show how the WEP is equivalent to a kind of existential closedness property and use this equivalence to give a simpler proof of a result of Kavruk, namely that the WEP is equivalent to the so-called complete tight Riesz interpolation property. Finally, we discuss a model-theoretic strategy for finding an example of a non-nuclear C\* algebra that has both the WEP and the local lifting property. (Received September 08, 2015)