Daniel J Hathaway* (daniel.hathaway@uvm.edu) and Natasha Dobrinen. The Halpern-Läuchli Theorem and Forcing.

We will show the various effects that forcing has on several forms of the Halpern-Läuchli Theorem. We will show that the theorems at an inaccessible $\kappa$ are preserved by forcings of size $< \kappa$. Combining this with work of Zhang, we have that a certain partition relation on the $\kappa$-rationals can be made to be preserved by all forcings of size $< \kappa$. We also show that the various Halpern-Läuchli Theorems are preserved by $< \kappa$-closed forcings assuming $\kappa$ is measurable. (Received August 09, 2018)