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Henry J Tucker* (hjtucker@ucsd.edu), La Jolla, CA. *Hopf-Galois objects as module categories over tensor categories obtained from equivariantization*. Preliminary report.

Hopf-Galois objects can be understood as module categories over the tensor category of representations of a Hopf algebra. Much recent work has been done toward better understanding of such objects. In particular, Cesar Galindo has developed extensive Clifford theory for module categories over tensor categories obtained by G -equivariantization by a finite group G . We consider some basic examples of Hopf-Galois objects obtained via the module category point of view. This is a preliminary report on a project with Cesar Galindo, Siu-Hung Ng, and Julia Plavnik. (Received January 29, 2019)