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**Lia Vas\*** ([1.vas@uscience.edu](mailto:1.vas@uscience.edu)), Dept. of Mathematics, Physics and Statistics, University of the Sciences, 600 S. 43rd St., Philadelphia, PA 19104. *Rings with Dimension*.

The existence of a well-behaved dimension of a finite von Neumann algebra has lead to the study of such a dimension of some finite Baer \*-rings. We study the assumptions on a ring that guarantee the existence of a well-behaved dimension and prove the existence of such a dimension for a class of semihereditary involutive rings. This class is wider than the class of finite Baer \*-rings with dimension considered in the past: it includes some rings that are not Rickart \*-rings. (Received January 29, 2013)