1116-16-514    **Frauke M Bleher**, Department of Mathematics, University of Iowa, Iowa City, IA 52242, **Ted Chinburg**, Department of Mathematics, University of Pennsylvania, Philadelphia, PA 19104, and **Birge Huisgen-Zimmermann\***, Department of Mathematics, University of California, Santa Barbara, CA 93106. *The geometry of algebras with zero radical square.*

We describe the geometry of the varieties parametrizing the finite dimensional representations of a basic finite dimensional algebra with vanishing radical square. In particular, we pin down the irreducible components of these varieties in terms of the algebra's Gabriel quiver and promote the generic structure theory of the modules encoded by the components to the level attained by Kac and Schofield in the hereditary case. (Received September 05, 2015)