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Harvey I. Blau* (hblau@niu.edu), Department of Mathematical Sciences, Northern Illinois University, DeKalb, IL 60115. *Control of Fusion in Table Algebras*. Preliminary report.

There is a deep and well-known theory of fusion (conjugation) of subsets of a finite group, with respect to certain subgroups associated with a fixed prime p . We investigate the extent to which some aspects of this theory generalize to p -valenced standard integral table algebras, and in particular to adjacency algebras of p -valenced association schemes. (Received August 10, 2015)