1163-18-1627 **Henry Tucker*** (htucker@ucr.edu). *Frobenius-Schur indicators for some families of quadratic fusion categories.* Preliminary report.

Quadratic categories are the fusion categories with a unique non-trivial orbit under the tensor product action of the group of invertible objects. Familiar examples are the near-group fusion categories (with exactly one non-invertible object) and the generalized Haagerup fusion categories (with one non-invertible object for each invertible object). Frobenius-Schur indicators are an important invariant of fusion categories generalized from the theory of finite group representations. We compute these indicators for a class of group-theoretical quadratic categories and study the relationship of the indicators with the structure of the group of invertible objects. (Received September 15, 2020)