Josh T. Grice* (jtgrice@email.sc.edu). Axiomatisability of subdirectly irreducible members of congruence modular varieties generated by certain finite nilpotent algebras.

If $A$ is a finite nilpotent algebra of finite signature which is a product of algebras of prime power order and $A$ generates a congruence modular variety $\mathcal{V}$, then the subdirectly irreducible members of $\mathcal{V}$ can be axiomatised by a finite set of elementary sentences. (Received September 17, 2019)