SONIA NATALE, Facultad de Matemática, Astronomía y Física. Universidad Nacional de Córdoba. CIEM-CONICET.
On the classification of almost square-free modular categories.

This is joint work with Jingcheng Dong. Let $\mathcal{C}$ be a modular category of Frobenius-Perron dimension dq^n, where q is a prime number and d is a square-free integer. We show that if $q > 2$ then $\mathcal{C}$ is integral and nilpotent. In particular, $\mathcal{C}$ is grouptheoretical. In the general case, we describe the structure of $\mathcal{C}$ in terms of equivariantizations of group-crossed braided fusion categories.