

## On fusion categories with few irreducible degrees

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In this talk we shall discuss some results on the structure of a fusion category  $C$  after imposing certain restrictions on the set  $c.d.(C)$  of Frobenius-Perron dimensions of its simple objects. The fusion categories that we consider are all integral. In particular, we consider the case where  $c.d.(C) = 1, p$ , with  $p$  a prime number. We shall treat mostly questions regarding nilpotency and solvability, in the sense introduced by Etingof, Gelaki, Nikshych and Ostrik. The talk is based on joint work with J. Plavnik.