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Pleasant Street, UMass Amherst, Amherst, MA 01003, and Christian Maire. Exponents of Class Groups in Towers of Number Fields.

We discuss upper bounds on the exponents of class groups in certain unramified pro-p towers of number fields. These come from a combination of group theory and the Tsfasman-Vladut generalization of the Brauer-Siegel theorem. (Received September 21, 2016)