1127-11-246 **Karol Koziol***, 40 St. George Street, Toronto, Ontario M5S 2E4, Canada. *Projective dimensions* of simple Iwahori-Hecke modules in characteristic p.

A classical result of Bernstein implies that the category of smooth complex representations of a split *p*-adic reductive group has finite global dimension, and thus the associated complex Iwahori-Hecke algebra also has finite global dimension. In contrast, recent work of Ollivier-Schneider shows that the (pro-*p*-)Iwahori-Hecke \mathbb{F}_p -algebra of a split *p*-adic reductive group has infinite global dimension (at least generically). We will build on some of these results to give a classification of simple Hecke modules (in characteristic *p*) of finite projective dimension. (Received February 05, 2017)