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**Pramod N. Achar\*** (pramod@math.lsu.edu) and **William Hardesty**. *Proof of the relative Humphreys conjecture.*

In the late 1990s, Humphreys gave a conjectural description of the support variety of a tilting module for a reductive group  $G$  in characteristic  $p$ , where  $p$  is larger than the Coxeter number. In this talk, I'll explain the statement of this conjecture, and its history (including work by Bezrukavnikov, Hardesty, Riche, and others), and the recent proof of the "relative" version of the conjecture. This is joint work with W. Hardesty. (Received September 21, 2021)