1016-11-282 Scott Ahlgren and Matthew Boylan* (boylan@math.sc.edu), Mathematics Department, University of South Carolina, 1523 Greene Street, Columbia, SC 29208. Central critical values of modular L-functions modulo l.

Let F(z) be a newform of integer weight 2k, and let $L(F_D, s)$ be the *L*-function of *F* twisted by the Kronecker character corresponding to the quadratic field of discriminant *D*. We study the algebraic parts of the central critical values of these twists modulo primes ℓ . In particular, we show that if there are 2 fundamental discriminants *D* with the property that $L(F_D, k)$ is not divisible by ℓ , then there infinitely many fundamental *D* with this property. (Received February 14, 2006)