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Topological modular forms with level 3 structure.

Ausoni and Rognes have initiated a program to study algebraic K-theory by the chromatic filtration, and part of this program involves studying the algebraic K-theory of truncated Brown-Peterson spectra. This talk will discuss joint work with Niko Naumann that, at the prime 2, links generalizations of these truncated objects with moduli spaces of elliptic curves. (Received January 24, 2011)