

1139-11-138      **Ted Chinburg\*** ([ted@math.upenn.edu](mailto:ted@math.upenn.edu)), Dept. of Math, U. Penn., 209 S. 33rd Street,  
Philadelphia, PA 19104. *Higher codimension Iwasawa theory*. Preliminary report.

This will be a report on recent work with F. Bleher, R. Greenberg, M. Kakde, R. Sharifi and M. J. Taylor on the higher dimensional support of Iwasawa modules. This support has to do with the leading term in the growth of various arithmetic invariants of number fields when the first order terms vanish. I will describe a result about codimension two support over arbitrary CM fields, generalizing prior work over imaginary quadratic fields. (Received February 06, 2018)