

1135-VS-3140 **Cam McLeman*** (mclleman@umflint.edu), 303 E Kearsley St., Flint, MI 48502. *Missing Class Groups for Imaginary Quadratic Number Fields.*

The Cohen-Lenstra heuristics describe, for p odd, the distribution of p -class groups of imaginary quadratic number fields, and when $p = 2$, a modification of these heuristics due to Gerth achieves the same thing. In both of these cases, recent progress has allowed us to refine the general picture of the family of such class groups, and in particular articulate broad families of finite abelian p -groups which should never occur as class groups in this context. The intent of this talk is to showcase some of these results and describe the status of the theory. (Received September 26, 2017)