1039-57-96 **Genevieve S Walsh*** (genevieve.walsh@gmail.com), Mathematics Dept. Tufts University, 503 Boston Ave, Medford, MA 02155. *Commensurability of knot complements.* Preliminary report.

We discuss the commensurability of hyperbolic knot complements in $S^3$ which do not admit hidden symmetries. We show that if such knot complements are commensurable then they are cyclically commensurable. It follows that a non-fibered hyperbolic knot complement which does not admit hidden symmetries is not commensurable with a fibered knot complement. Further analysis of their common cyclic quotient and an application of the cyclic surgery theorem shows that there are at most three such knot complements in a given commensurability class. This is joint work with M. Boileau and S. Boyer. (Received March 07, 2008)