1139-13-676   **Mats Boij** and **Anthony Iarrobino*** (`a.iarrobino@neu.edu`), Mathematics Department, 567 Lake, Northeastern University, 360 Huntington Avenu, Boston, MA 02115, and **Leila Khatami** and **Bart Van Steirteghem**. *Equations of loci in tables of commuting Jordan types.* Preliminary report.

The Jordan type of a nilpotent matrix is the partition giving the sizes of the Jordan blocks in the normal Jordan form of the matrix. In this talk we discuss all partitions that have a fixed partition Q as the generic Jordan type in their nilpotent commutator. These partitions form at $(u - r) \times (r - 1)$ table $T(Q)$ when $Q = (u, u - r)$ with $r \geq 2$. We report on ongoing joint work in which we study the equations of loci in $T(Q)$. (Received February 20, 2018)