

Title: Stabilizers for ergodic actions of non-archimedean Polish groups

Abstract: Non-archimedean Polish groups correspond to closed subgroups of the full symmetric group  $\text{Sym}(\Omega)$  on a countably infinite set  $\Omega$ . As they act on  $\Omega$ , they have plenty of pmp actions. In a joint work with C. Jahel, we exhibit a rigidity phenomenon concerning stabilizers for pmp ergodic actions of some non-archimedean Polish groups. More precisely, we bring out a class of non-archimedean Polish groups whose pmp ergodic actions are either essentially free or essentially transitive. We will discuss in the talk some aspects of this work, focusing on concrete examples of such groups.