

## Number Theory Seminar

# Irreducibility and $p$ -adic monodromies on the Siegel moduli spaces

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**ABSTRACT:** In this talk, we will introduce Siegel moduli spaces with parahoric level structure and the Kottwitz-Rapoport stratification. We will discuss the number of irreducible components of the moduli spaces as well as those of some subvarieties, notably of some  $p$ -rank strata. For Siegel 3-folds, a more detailed description on the geometry of the Kottwitz-Rapoport strata will be given.

**Date:** Friday, 27.04.2007 at 14.15pm

**Place:** HWZ (HG G43)

G. Wüstholz