

Speaker: Wiesława Nizioł

Title: Cohomology of p -adic Stein spaces.

Abstract: I will discuss a comparison theorem that allows us to recover p -adic (pro-)étale cohomology of p -adic Stein spaces with semistable reduction over local rings of mixed characteristic from complexes of differential forms. To illustrate possible applications, I will show how it allows us to compute p -adic étale cohomology of Drinfeld half-space in any dimension and of its coverings in dimension one. This is a joint work with Pierre Colmez and Gabriel Dospinescu.