

p -ADIC COMPARISON THEOREMS FOR ANALYTIC SPACES

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Abstract: I will discuss a comparison theorem between p -adic pro-étale cohomology and de Rham cohomology for smooth overconvergent analytic spaces. This generalizes the known de Rham-to-pro-étale comparison theorems for proper and Stein rigid analytic spaces. The key ingredient is the theory of Banach-Colmez spaces and almost \mathbf{C}_p -representations. This is a joint work with Pierre Colmez.