

abstract

GALOIS REPRESENTATIONS AND AUTOMORPHIC FORMS SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

We study families of filtered ϕ -modules associated to families of p -adic Galois representations as considered by Berger and Colmez. We show that the weakly admissible locus in a family of filtered ϕ -modules is open and that the groupoid of weakly admissible modules is in fact an Artin stack. Working in the category of adic spaces instead of the category of rigid analytic spaces one can show that there is an open substack of the weakly admissible locus over which the filtered ϕ -modules is induced from a family of crystalline representations.