

Takeshi Tsuji: **On p-adic etale cohomology of perverse sheaves**

I will talk about a generalization of the comparison theorem of the cohomologies of crystalline p-adic etale sheaves and filtered F-isocrystals by G. Faltings, to p-adic perverse sheaves for the stratification associated to a simple normal crossing divisor. A comparison map is constructed via descriptions of both cohomologies in terms of "nearby cycles" along each stratum; we use certain fibered topos whose fibers are topos associated to strata with some log structures.