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Tom Weston* (weston@math.umass.edu), Department of Mathematics, University of Massachusetts, Amherst, MA 01003. *Localization of p -adic regulators.*

Let X be a smooth projective variety over a finite extension K of \mathbf{Q}_p . For various applications it is important to exhibit elements of the Galois cohomology groups of the ℓ -adic cohomology of X with specified ramification. When $\ell \neq p$, this can be done by relating ℓ -adic regulator maps to cycle class maps. In this talk we formulate an extension of this to the case $\ell = p$ via the exponential map of Bloch-Kato and discuss a strategy of proof. (Received February 06, 2006)