

Exposé court

77 *Affine quadratic Chabauty*

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Quadratic Chabauty is a very successful method for computing all rational points on smooth projective curves of genus > 1 over the rationals. In this talk, I will introduce this method and its modifications to compute S -integral points on affine hyperbolic curves. In particular, I will explain the different shape of the occurring quotients of the fundamental group of the curve and how to obtain unconditional bounds for the number of S -integral points from their Bloch–Kato Selmer groups. All of this is joint work with Martin Lüttke and J. Steffen Müller.