MARGAUx PhD Days 2024



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Martina Monti - The cone conjecture for étale quotients of Abelian varieties

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The Kawamata-Morrison cone conjecture predicts that the

nef cone Nef(X) of a K-trivial projective manifold X is rational polyhedral, i.e. finitely generated, up to the action of the automorphism group Aut(X). The conjecture was proven in dimension 2, while in higher dimension just for abelian varieties, holomorphic irreducible symplectic manifolds (IHS) and Enriques manifolds (étale quotient of IHS). After giving a general overview on this problem, I present my result concerning the validity of the cone conjecture for étale quotient of abelian varieties, i.e. for Generalized Hyperelliptic Manifolds.