



Leibniz
Universität
Hannover

Oberseminar
Institut für Algebraische Geometrie

Simon Brandhorst
(Universität des Saarlandes)

Prime order automorphisms of unimodular
lattices and IHS manifolds

By the Beauville Bogomolov decomposition theorem every Kähler manifold with trivial first Chern class admits a finite étale cover which is the product of an abelian variety, Calabi-Yau varieties and irreducible holomorphic symplectic (IHS) manifolds. A way to construct such covering morphisms is via quotients. This motivates the study of finite automorphisms of IHS manifolds. We present a new approach to the classification of non-symplectic automorphisms of prime order on IHS manifolds. The key step is a classification of prime order isometries on unimodular lattices.

Donnerstag, 19.12.2019

16:30 - 17:30, Raum b302

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.