

## IHS varieties as symplectic quotients of IHS manifolds

*Wednesday, 15 June 2022 10:30 (30 minutes)*

We aim at constructing IHS varieties with a trivial algebraic regular fundamental group starting from an IHS manifold  $X$  and a finite group  $G$  of symplectic actions on  $X$ . I will present some results in the case where  $X$  is an IHS fourfold of generalized Kummer type and the action is induced from the abelian surface, and I will present some work in progress in the case of symplectic automorphisms of Fano varieties of lines on a cubic 4-fold induced by automorphisms of the cubic. This is a joint work in progress with Bertini, Capasso, Mauri and Mazzon.

**Primary author:** GROSSI, Annalisa (Technische Universität Chemnitz, Germany)

**Presenter:** GROSSI, Annalisa (Technische Universität Chemnitz, Germany)