

Automorphisms of Hyperkähler manifolds

Friday, 27 September 2024 11:45 (1 hour)

Automorphisms of Hyperkähler manifolds are studied for many different reasons: among the others, to construct examples of irreducible symplectic varieties as quotients of smooth HK's by a symplectic group of automorphism, or to find examples of Enriques manifolds as étale quotients of HK manifolds. After a review of the known results about automorphisms of HK manifolds I will focus on the OG10 sporadic example and I will present a recent result concerning symplectic rigidity, and another concerning non-existence of Enriques manifolds as étale quotients of OG10. The talk is based on a joint work with L. Giovenzana, Onorati and Veniani and on a joint work in progress with Billi, L. and F. Giovenzana.

Presenter: GROSSI, Annalisa (Università di Bologna)