

Non-symplectic automorphisms of fourfolds of $K3^{[2]}$ -type

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Résumé : In this talk I will first explain the classification of non-symplectic automorphisms of prime order of fourfolds of $K3^{[2]}$ -type and review some examples. In the second part of the talk I will discuss complex ball quotients arising as moduli spaces of pairs of a fourfold of $K3^{[2]}$ -type and a non-symplectic automorphism of prime order. This is joint work with S. Boissière and A. Sarti.