

# **P=W phenomena on abelian varieties**

*mardi 28 février 2023 18:00 (1 heure)*

Let  $X$  be a complex abelian variety. In this talk we will explain and prove an analogue of both the (cohomological)  $P=W$  conjecture and the geometric  $P=W$  conjecture relating the topology of the Dolbeault moduli space of topologically trivial semistable Higgs bundles on  $X$  and the Betti moduli space of characters of the fundamental group of  $X$ . The geometric heart of our approach is a new kind of Hitchin fibration for Dolbeault moduli spaces on abelian varieties whose target is not an affine space of pluricanonical sections, but a suitable symmetric product. This is based on ongoing joint work with B. Bolognese and A. Küronya

**Orateur:** ULIRSCH, Martin