

Northeastern University



Mathematics Department

Geometry, Physics, and Representation Theory Seminar

**Laure Flapan**

Massachusetts Institute of Technology

Thursday, September 5, 2:50-3:50 pm, Lake Hall 509

**Complete families of indecomposable non-simple  
abelian varieties**

**Abstract**

An abelian variety  $A$  is indecomposable but not simple if  $A$  is isogenous to a product of smaller-dimensional abelian varieties but is not itself a product. We explore how to construct complete families of abelian varieties with this property and discuss implications for the question of understanding the possible fundamental groups of fibered projective varieties.