Contribution ID: **13**   Type: **not specified**

Fourier-Mukai transform and the class of sections

Thursday, 2 October 2025 11:30 (1 hour)

One of the central objects in the intersection theory of curves is the tautological ring. In the last 30 years, remarkable progress has been made in our understanding of the tautological ring, largely due to the connection between the geometry of curves and the geometry of stable maps. Compactified abelian fibrations, and compactified Jacobians in particular, also have tautological rings, but the study of their structure requires different ideas. In this talk, I will explain how the structure of these rings can be controlled through the interaction between certain Fourier-Mukai transforms and logarithmic geometry. This is based on joint work with Bae and Pixton.

Primary author: Dr MOLCHO, Samouil (University of Rome 'La Sapienza')

Presenter: Dr MOLCHO, Samouil (University of Rome 'La Sapienza')