

Nathalie WAHL (Copenhagen)

Title: *Strings on manifolds*

Abstract: The Viterbo theorem gives a bridge between symplectic cohomology and the homology of free loop spaces on manifolds. On the free loop space side, we see a rich structure that goes under the name string topology, arising from considering when loops intersect or self-intersect. In this talk, I'll give some illustrative examples, and explain in particular how the string coproduct has turned out to be a really subtle invariant.