

Abstract

The homotopy type conjecture is part of the geometric $P=W$ conjecture in non-abelian Hodge theory over curves. It states that the smooth Betti moduli space of complex dimension d is homotopy equivalent to a sphere of dimension $d-1$. In this talk, via a microlocal/contact geometric perspective, I will explain a proof of the conjecture for a class of rank n wild character varieties over the two sphere with one puncture, associated to any "Stokes Legendrian knot" defined by a n -strand positive braid.