Vivek Shende:Â Legendrian knots and moduli spaces of microlocal sheavesÂ

To a Legendrian knot in the cocircle bundle over a surface, we associate the category of sheaves with microsupport in this knot. Moduli spaces of objects in this category behave in many ways like character varieties of surfaces. We will explain their relation to knot homology and to cluster algebra.Â