Alejandro Cabrera, Universidade Federal do Rio de Janeiro *Odd symplectic supergeometry, characteristic classes and reduction*

We give an overview on the role of odd symplectic supergeometry in the description of Mathai-Quillen representatives of the Euler and Thom classes of a vector bundle. Using this lenguage, we propose natural generalizations involving (ordinary) symplectic reduction by symmetries. This is joint work with F. Bonechi.