

- **Meneses, Claudio: Geometric models and wall-crossing for moduli of parabolic Higgs bundles in genus 0 (203)**

In this talk I will describe recent work on the geometry of moduli spaces of parabolic Higgs bundles over the Riemann sphere. Such case is exceptional in that a construction of explicit geometric models is possible, whose nature elucidates the wall-crossing behavior of the moduli spaces in question under variations of parabolic weights. I will also explain some motivating results related to the cohomology of natural Kähler forms on the moduli spaces and their relation to the computation of certain symplectic volumes.