

3d $N=2$ dualities with monopole superpotentials

Friday, 14 July 2017 10:00 (1 hour)

In this talk I will discuss 3d gauge theories with monopole operator entering the superpotential. Starting with the theory without monopole potential, if the monopole potential is relevant there is an RG flow to the monopole-deformed theory. Here, focusing on $U(N_c)$ SQCD with N_f flavors and $N=2$ supersymmetry, I will argue that even when the monopole potential is irrelevant, the monopole-deformed theory can exist and admit an Aharony-like dual description. I will present various checks and generalizations of this duality.

Presenter: PASQUETTI, Sara (University of Milan-Bicocca)