Tomas Dominguez Benavides* (tomasd@us.es), Facultad de Matematicas, Tarfia s/n, Sevilla, Spain, and Pepa Lorenzo (ploren@us.es). Measures of noncompactness and fixed point for set-valued nonexpansive mappings in modular spaces.

In this talk we will show the existence of a fixed point for a class of set-valued nonexpansive mappings defined in a modular space. The notion of uniform $\rho$-noncompact convexity with respect to a measure of noncompactness, as defined in [1], and the reflexivity of the Banach space associated to the corresponding Luxemburg norm of the modular space, are basic tools for our results.