1035-47-940 **Boubakari Ibrahimou*** (bibrahim@mail.usf.edu), 4202 E. Fowler Avenue, PHY 114, Tampa, FL 33620. *Topological Degree Theory for Multivalued Densely Defined $(S_+)_L$- Perturbation of Multivalued Maximal Monotone Operators in Reflexive Banach Spaces.* Preliminary report.

The main purpose of this paper is to develop a new topological degree for multi-valued densely defined $(S_+)_L$- perturbation of multi-valued Maximal monotone operators in reflexive Banach spaces. The paper consist of four parts. The fist part is reserved to the introduction and definition of concepts needed for the study. The second part deal with the construction of the degree. Part three will consist of the properties of the degree, while in part four we discuss some examples. (Received September 17, 2007)