1111-16-527 **Christian Lomp***, Departamento de Matematica, Faculdade de Ciencias, Universidade do Porto, Porto, Portugal, and **Can Hatipoglu**. *Essential Extensions of simple modules over enveloping algebras of Lie superalgebras.*

Matlis showed that the injective hulls of simple modules over an associative commutative Noetherian ring have finite length. For non-commutative Noetherian rings this might not be true anymore. The first Weyl algebra over the integers has this property, but not the first Weyl algebra over the rational numbers. However the later algebra satisfies that any finitely generated essential extension of a simple module has finite length. In this talk we will classify those finite dimensional nilpotent Lie superalgebras whose enveloping algebra satisfies that any finitely generated essenential extension of a simple module has finite length. (Received February 09, 2015)