## On the isotropy of simple polynomial derivations

Let D be a K-derivation of a polynomial ring  $R=K[x_1,...,x_n]$  over an algebraically closed field K of characteristic 0, and let Aut(D) denote the subgroup of K-automorphisms of R that commute with D, that is, the so-called *isotropy* of D. The objective of the talk is to give some results on the following conjecture: If D is simple, then Aut(D) is a unipotent algebraic group.