1097-11-99 **Nivedita Bhaskhar*** (nbhaskh@emory.edu). *More examples of non-rational adjoint groups.*

A k-variety is said to be rational if its function field is purely transcendental over k. The first example of a non-rational adjoint k-group $\mathrm{PSO}(q)$ was given by Merkurjev as a consequence of his computations of R-equivalence classes of adjoint classical groups. The quadratic form in question has non-trivial discriminant which property is used crucially in the proof. Gille provided the first example of a quadratic form of trivial discriminant whose associated adjoint group is non-rational. In this talk we give a recursive construction to produce examples of k_n-quadratic forms q_n in the n-th power of the fundamental ideal in the Witt ring whose corresponding adjoint groups are not (stably) rational. (Received January 15, 2014)