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George J. McNinch* (mcninchg@member.ams.org), Tufts University, Dept of Mathematics, 503 Boston Ave, Medford, MA 02155. *Levi factors of linear algebraic groups.*

Let G be a linear algebraic group over a field k . If k has characteristic 0, then G has always a Levi factor, i.e. a complement to its unipotent radical. For any field k of characteristic $p > 0$, however, there are linear algebraic groups over k which have no Levi factor.

Let K be a local field with residue field k , and let H be a reductive algebraic group over K . If Q is a parahoric group scheme attached to H , the special fiber G of Q is a linear algebraic group over k . This talk will discuss the author's recent result that the special fiber G has a Levi factor in case H splits over an unramified extension of K . (Received September 22, 2010)