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Josh Wiscons* (wiscons@colorado.edu), Department of Mathematics, Campus Box 395,
Boulder, CO 80309-0395. *Moufang sets of finite Morley rank.*

We show that under certain restrictions the little projective group of an infinite Moufang set of finite Morley rank with abelian root groups is either a split sharply two-transitive group or is isomorphic to $\mathrm{PSL}_2(K)$ for K an algebraically closed field. Additionally, we review past results illustrating the role that Moufang sets of finite Morley rank may play in addressing the Cherlin-Zil'ber conjecture. (Received January 26, 2009)