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Gareth Tracey* (g.m.tracey@bath.ac.uk). *Left 3-Engel elements in groups.*

It is still an open question as to whether a left 3-Engel element of a group G is always contained in the Hirsch-Plotkin radical of G . In this talk we define these elements, discuss their motivation (which comes from the Burnside problems), and present some new and recent results. (Received February 15, 2018)