

Abstract Submitted  
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**Metallic quantum critical ferromagnets: a quantum Monte Carlo calculation of Non-Fermi liquid exponents** SAM RIDGWAY, CHRIS HOOLEY, St Andrews — We study a lattice field theory describing the quantum ferromagnetic transition of a metal in two spatial dimensions, using a sign-problem free quantum Monte Carlo algorithm. We provide evidence for the continuous nature of the transition, and calculate universal critical exponents that indicate non-Fermi liquid behaviour at the critical point.

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