

# Low Temperature Electron Spin Resonance of the Kondo Ion in a Heavy Fermion Metal: $\text{YbRh}_2\text{Si}_2$

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## Abstract

The electron spin resonance (ESR) study on single crystals of the heavy fermion metal  $\text{YbRh}_2\text{Si}_2$  was presented. The study showed non-Fermi liquid behavior related to a close antiferromagnetic quantum critical point. It was found that the spin dynamics as well as the static magnetic properties of the  $\text{Yb}^{3+}$  spins were consistent with the results of nuclear magnetic resonance and magnetic susceptibility.

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