## Signature of quantum criticality in photoemission spectroscopy at elevated temperature

When a magnetic phase transition in a metal is driven to absolute zero temperature, e.g., by pressure or composition, the quantum fluctuations of the order parameter induce new universality classes and, possibly, new ground states of matter. Recent experiments suggest that near such а quantum phase transition (QPT) in heavy-fermion (HF) compounds, notably CeCu {6-x}Au x\$, the HF quasiparticles, formed by the Kondo effect below the Kondo temperature \$T K\$, disintegrate. The conditions for this breakdown have, however, remained obscure. Here we report the first measurements of \$T K\$ in CeCu\$ {6-x}\$Au\$ x\$ by ultraviolet photoemission spectroscopy at elevated temperatures without the complications of lattice coherence. Surprisingly, \$T\_K\$ exhibits an abrupt step near the quantum critical Au concentration of \$x c=0.1\$. This step originates from a highly of the local spin non-linear renormalization coupling at each Ce site. induced bv spin fluctuations on neighboring sites. It provides а quasiparticle HF high-temperature indicator for breakdown at а QPT