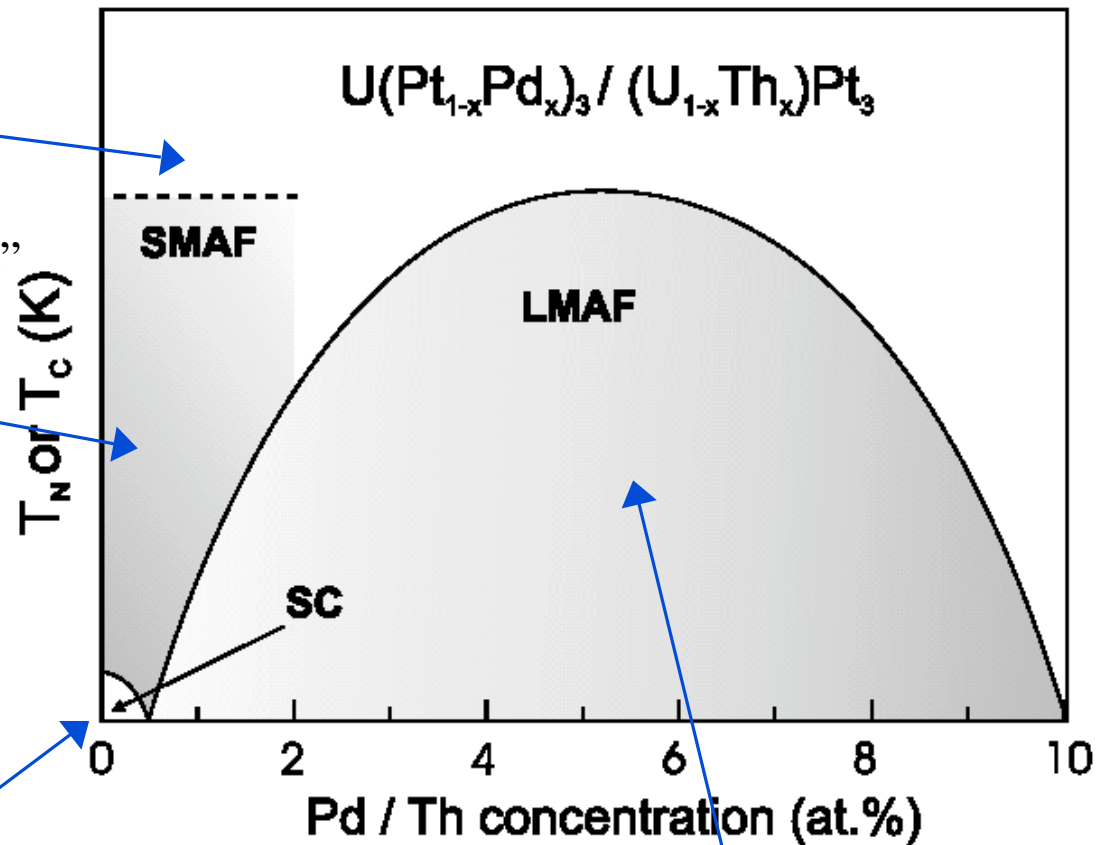


Overview of UPt_3 and impurity substitution

Heavy fermion system
 $m^* \approx 200 m_e$

Anomalous “small-moment”
AFM order, $T_N \approx 6$ K

Unconventional superconductor
 $T_c \approx 0.55$ K



Impurity substitution (Pd or Au \square Pt, Th \square U)
induces conventional large-moment AFM order