

# Quantum Criticality in $\text{YbRh}_2\text{Si}_2$ and Some Other Stoichiometric Heavy-Fermion Metals

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## Outline:

- **Antiferromagnetic Quantum Critical Points (QCP) in Heavy Fermion Systems**

### **$\text{YbRh}_2\text{Si}_2$**

- ♦ **Non-Fermi-Liquid (NFL) Effects: Quasi-2D Spinfluctuations (SF) ?**
- ♦ **Field-Induced NFL Behavior**
- ♦ **Effect of Pressure**
- ♦ **Nature of QCP**

### **Systems with Quasi -3D SF**

- \*  **$\text{CeCu}_2\text{Si}_2$**
- \*  **$\text{CeNi}_2\text{Ge}_2$**
- \*  **$\text{CeRu}_4\text{Sb}_{14}$**
- \*  **$\text{UPe}_{13}$  (?)**
- + **Strongly Correlated Electrons: The Continuous Revolution**