

Anomalous Normal State Properties of the Pressure-Induced Superconductor EuFe_2As_2

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Since the discovery of superconductivity in $\text{LaFeAs}(\text{O},\text{F})$,¹ iron-pnictide superconductors have attracted much attention. Among the various iron-pnictide compounds, EuFe_2As_2 exhibits unique pressure-induced superconductivity due to the Eu^{2+} magnetic moments.^{2,3} Thus far, we have carried out comprehensive high-pressure studies on EuFe_2As_2 ,^{2,3} in order to elucidate the interplay between the superconductivity and two types of antiferromagnetism. In the conference, we will present recent results of the transport and quantum oscillation measurements of EuFe_2As_2 ,^{2,3} focusing on the anomalous normal state properties.

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