

Point-contact Spectroscopy of Superconductors

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Presented work introduces principles of point contact spectroscopy and basic principles of measuring low-temperature electronic specific heat by means of ac calorimetry. In this work we study superconductor LaRu₄As₁₂. This work presents results from point contact spectroscopy of this superconductor. Measured spectra are analyzed within the scope of single and multiple gap BTK theory. Analysis of this superconductor did not prove multiple gap behavior.

Sekce

Fyzika kondenzovaných látek

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