



Weekly Seminar

Superconductivity in  $\text{Sr}_2\text{RuO}_4$

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Time: 4:00pm, April 11, 2018 (Wednesday)

2018 4 11 4:00

Venue: Room W563, Physics building, Peking University  
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Abstract

$\text{Sr}_2\text{RuO}_4$  was discovered more than 20 yrs ago, but the pairing symmetry and pairing mechanism are under ongoing debates. Early theory and experiments pointed to p-wave pairing, and chiral p+ip'-wave in particular, which is of intense interest in the context of topological quantum computing. However, the absence of spontaneous edge current, theoretically anticipated from a chiral superconductor, as well as recent experiments in strained samples, raise challenges to the p-wave picture. In this talk an overview of the experimental and theoretical progress is provided, supplemented by our recent theoretical studies on this topic.

About the speaker

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