

Weekly Seminar

Novel properties of 5d transition metal compounds

万贤纲



Time: 4:00pm, June 22, 2016 (Wednesday)

: 2016 6 22

4:00

Venue: w563, Physics building, Peking University

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Abstract

In 5d transition metal oxides, novel properties arise from the interplay of electron correlations and spin-orbit interactions. In this talk, I will discuss our theoretical progress relating to 5d compounds. We focus on describing the anisotropic unscreened Coulomb interaction in ferroelectric metal LiOsO_3 the interesting spin texture in WTe_2 and the pressure-induced dome-shape like superconductivity in WTe_2 .

About the Speaker