

Abstract Submitted  
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**Anomalous Hall Effect in topological Heusler semimetal ZrCo<sub>2</sub>Sn.** BING SHEN, EVE EMMANOUILIDOU, SHAN JIANG, NI NI, Department of Physics and Astronomy and California NanoSystems Institute, University of California, Los Angeles, CA 90095, USA — Besides non-magnetic Weyl semimetals without inversion centers, Weyl Fermions are also predicted to exist in certain topological materials with time-reverse symmetry breaking. Due to the topological non-trivial state, the system exhibits novel properties compared to the normal metal. In this talk, we will present the systematic magneto-transport study on the magnetic Heusler ZrCo<sub>2</sub>Sn single crystal, a proposed candidate of ferromagnetic Weyl semimetal. Ruderman–Kittel–Kasuya–Yosida (RKKY) picture will be discussed regarding the isotropic negative magnetoresistance observed.

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