

Abstract Submitted  
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**Growth, transport properties and ARPES measurements of topological  $\text{Co}_{1-x}\text{Rh}_x\text{As}_3$  and  $\text{Co}_{1-x}\text{Rh}_x\text{Sb}_3$  single crystals**<sup>1</sup> CHAOWEI HU, Department of Physics and Astronomy and California NanoSystems Institute, University of California, Los Angeles, CA 90095, USA, CHANG LIU, Department of Physics, South University of Science and Technology of China, Shenzhen, Guangdong 518055, China, BING SHEN, JIE XING, Department of Physics and Astronomy and California NanoSystems Institute, University of California, Los Angeles, CA 90095, USA, SUYANG XU, Department of Physics, MIT, Cambridge, MA, 02139, USA, NI NI, Department of Physics and Astronomy and California NanoSystems Institute, University of California, Los Angeles, CA 90095, USA — Skutterudite materials such as  $\text{TX}_3$  (T= Co, Rh, X=As, Sb, P) have been previously studied for their promising thermoelectric properties. Recently they have been proposed as materials with non-trivial topology. In this poster, we report the growth of  $\text{Co}_{1-x}\text{Rh}_x\text{As}_3$  and  $\text{Co}_{1-x}\text{Rh}_x\text{Sb}_3$  using self-flux method. The thermoelectric, transport properties and ARPES measurements of them will be presented.

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