

February 16, 2022

To :

From : Jin-Hong Park

Copies :

Subject : Evidence for a spinon Kondo effect in cobalt atoms on single-layer
1T-TaSe₂ by Michael F. Crommie of arXiv:2202.07224

The authors consider a spinon Kondo effect in Co tips on single layer 1T-TaSe₂

To do :

1. How can we understand the charge spin separation in two-dimensional system of 1T-TaSe₂?
 2. What is the connection between the CDW (Star of David) and spinon physics?
 3. How to calculate the Kondo resonance peak?
-

Jin-Hong Park
Seoburo 2066 Department of Physics
Sungkyunkwan University
Suwon, Republic of Korea 16419