



CATS
Center for the Advancement of Topological Semimetals

CATS mini-workshop on MnBi_2Te_4 compounds

Tuesday, June 30, 2020

9:00 AM – 1:00 PM Central

Time	Title	Presenter
9:00-9:20	Introduction, overview, and workshop goals	Rob McQueeney <i>Iowa State/Ames</i>
9:20-9:40	Lattice imperfections in MnBi_2Te_4 and related compounds	Jiaqiang Yan <i>Oak Ridge National Lab</i>
9:40-10:00	Neutron scattering investigation of the magnetic orders in the $\text{MnBi}_{2-x}\text{Sb}_x\text{Te}_4$ compounds	Simon Riberolles <i>Iowa State/Ames</i>
10:00-10:20	A simple model for the MBT family of magnetic topological insulators	Allan MacDonald <i>Texas-Austin</i>
10:20-10:30	Break	
10:30-10:50	ARPES studies on MnBi_2Te_4 family	Na Hyun Jo <i>Iowa State/Ames</i>
10:50-11:10	Inelastic neutron scattering studies of 2D ferromagnetism in the layered magnetic TI MnBi_2Te_4	Bing Li <i>Iowa State/Ames</i>
11:10-11:30	A brief review of thin films of the MnBiTe system	Anand Bhattacharya <i>Argonne National Lab</i>
11:30-11:50	Transport studies of exfoliated MnBi_2Te_4 devices	Kenji Yasuda <i>MIT</i>
11:50-12:00	Break	
12:00-12:20	Surface magnetism, domain walls and defects in MnBi_2Te_4	Weida Wu <i>Rutgers University</i>
12:20-12:40	Optical and High-Field response of Mn-Bi-Te compounds	Ken O'Neal <i>Los Alamos National Lab</i>
12:40-1:00	Open discussion and planning	



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Remote Connection Information

Tuesday, Jun 30, 2020
Room opens at 8:45 am

Meeting number: 120 222 9338

Password: CATS_2020

<https://iastate.webex.com/iastate/j.php?MTID=ma2227ae7573b72aac0fbd5accb9acc48>

Join by video system
Dial 1202229338@iastate.webex.com
You can also dial 173.243.2.68 and enter your meeting number.

Join by phone
+1-312-535-8110 United States Toll (Chicago)
+1-312-535-8110 United States Toll (Chicago)
Access code: 120 222 9338

CHAT RULES

- Please stay on mute when not speaking.
- We'll open the room 15 minutes ahead so you can check your connections and access
- Please be prepared to share your slides during your presentation
- During talks, please submit your questions using the group chat feature. We will review and discuss questions at the conclusion of each talk.

QUESTIONS? TROUBLESHOOTING?

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