



# Dark Sectors Workshop

## Thursday 28 April 2016

### Direct Detection: Session 1 (Berryessa in SUSB) (13:30 - 15:00)

-Conveners: Matt Pyle; jeremy mardon

time	[id] title	presenter
13:30	[70] Kathryn Zurek -- Detecting DM with superfluids	
13:45	[71] Yue Zhao -- Detecting DM with superconductors	
14:00	[72] Tongyan Lin -- Absorption of bosonic light dark matter in superconducting targets	
14:15	[74] discussion	

# Friday 29 April 2016

## **Direct Detection: Session 2 (Mammoth – SUSB 3rd floor) (10:00 - 12:00)**

-Conveners: Matt Pyle; jeremy mardon

time	[id] title	presenter
10:00	[75] Jeremy Mock -- Xenon Bubble Chambers for Direct Dark Matter Detection	
10:15	[76] Tien-Tien Yu -- LDM detection using electron scattering in scintillators	
10:30	[77] Aaron Manalaysay -- Towards the ultimate ionization threshold in semiconductor detectors	
10:45	[78] Lauren Hsu -- Low Energy Nuclear Recoil Ionization Yield and SuperCDMS Sensitivity (k vs threshold effects)	
11:00	[79] Ranny Budnik -- Color Centers as radiation detectors	
11:15	[80] discussion	

## **Direct Detection: Session 3 (Mammoth – SUSB 3rd floor) (13:30 - 15:00)**

-Conveners: Matt Pyle; jeremy mardon

time	[id] title	presenter
13:30	[81] Maria Elena Monzani -- Perspectives for low-mass dark matter searches with the LZ experiment	
13:45	[82] Tien-Tien Yu -- LDM detection with electron recoils in with semiconductor targets	
14:00	[84] Yoni Kahn -- Searching for sub-GeV DM with Graphene Target	
14:15	[85] discussion	

## **Direct Detection: Session 4 (Berryessa -- SUSB 2nd floor) (15:15 - 17:15)**

-Conveners: Matt Pyle; jeremy mardon

time	[id] title	presenter
15:15	[91] Antonio Polosa: Carbon nanotubes for DM directional detection	
15:30	[90] Dan McKinsey -- DM detection in liquid Helium	
15:45	[87] Scott Hertel -- Helium part II	
16:00	[88] discussion	

# Saturday 30 April 2016

## **Direct Detection: Closing discussion (10:30 - 12:00)**

-Conveners: jeremy mardon; Matt Pyle

## **Direct Detection: prep for close out (Toluca -- 4th floor) (13:00 - 14:30)**

-Conveners: Matt Pyle; jeremy mardon