

Magnetic Structure Determination from Neutron Diffraction Data, October 21-23, 2019

Oak Ridge National Laboratory, Shull Wollan Center, Building 8630, Room A202

Monday October 21, 2019

Time	Event	Presenter
8:30 - 9am	Welcome and introduction	Bryan Chakoumakos
9:00–10:30am	Magnetic Symmetry: an overview of Representational Analysis and Magnetic Space groups	Stuart Calder
10:30–11:00am	Break and group Photo	
11:00–12:00	Neutron Experiments to Determine Magnetic Structures	Stuart Calder
12:00–1:00pm	Working Lunch: User proposals for beamtime	Bryan Chakoumakos
1:00–2:30pm	Overview of Classes of Magnetic Structures in Condensed Matter materials	Ovi Garlea
2:30–3:00pm	Summary of Fullprof and Sarah	Ovi Garlea
3:00–3:30pm	Break	
3:30–5:30pm	1 st Hands-on example: Commensurate, Reactor Source, Powder [Fullprof/Sarah]	Clarina Dela Cruz

Tuesday October 22, 2019

Time	Event	Presenter
8:30 - 9am	Recap and questions from previous day	Everyone
9:00–10:15am	2 nd Hands-on example: Commensurate, TOF, Powder [Fullprof/Sarah]	Ovi Garlea

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Time	Event	Presenter
10:15–10:45am	Break	
10:45–12:00	2 nd Hands-on example: Commensurate, TOF, Powder [Fullprof/Sarah]	Ovi Garlea
12:00–1:00pm	Working Lunch: Sample Environment	
1:00–1:30pm	Summary of Bilbao Crystallographic Server and mcif files	Stuart Calder
1:30–3:00pm	3 rd Hands-on example: Powder [Bilbao/Fullprof]	Stuart Calder
3:00–3:30pm	Break	
3:30–5:45pm	4 th Hands-on example: Incommensurate, Powder	Ovi Garlea

Wednesday October 23, 2019

Time	Event	Presenter
8:30 - 9am	Recap and questions from previous day	Everyone
9:00–10:30am	5 th Hands-on example: Single Crystal, Commensurate	Huibo Cao
10:30–11:00am	Break	
11:00–12:30	6 th Hands-on example: Single Crystal, Incommensurate	Huibo Cao
12:30–1:00pm	Close-out	Everyone