

	CLS X-Ray Diffraction and Scattering Summer School 2024	June 18-20, 2024	In person school!
Tuesday June 18, 2024			
9:15 to 9:20	Welcome and Introductions / badges for all	Beatriz Moreno	room 2068
9:20 - 10:20	Introduction to powder diffraction	Joel Reid	room 2068
10:20-10:40	Snacks		mezzanine
10:40 - 11:10	Rietveld Method	Bob von Dreele	room 2068
11:10 - 12:00	Introduction to GSAS II	Bob von Dreele	room 2068
12:00 - 13:00	----- Lunch Break -----		mezzanine
13:00 - 14:40	GSAS II hands on data analysis / XRD @ SSSC	All hands on deck	room 2068 / SSSC
14:40 - 15:00	Snacks		
15:00 - 16:15	GSAS II hands on data analysis / XRD @ SSSC	All hands on deck	room 2068 / SSSC
17:00 - 19:00	Happy Hour at Louis'		
Wednesday June 19, 2024			
9:15 - 10:20	Introduction to Pair Distribution Function (PDF)	Al Rahemtulla	room 2068
10:20-10:40	Snacks		
10:40 - 11:20	Fitting and Modelling PDF data	Graham King	room 2068
11:20 - 12:00	Visit to the CLS. Group splits in 2 or 3 tours.	Graham King	Canadian Light Source
12:00 - 13:00	----- Lunch Break -----		mezannine
13:00 - 14:40	Parallel sessions: hands on data analysis XRD / PDF	All hands on deck	2068 / 2206
14:40 - 15:10	Snacks / Group photo		
15:10 - 16:15	Parallel sessions: hands on data analysis XRD / PDF	All hands on deck	2068 / 2206
Thursday June 20, 2024			
9:15 - 9:55	Introduction to SAXS	Adam Leontowich	2068
9:55 - 10:35	Parallel sessions: Hands on data analysis SAXS / XRD / PDF	All hands on deck	2068 / 2206 / 2210
10:35-10:50	Snacks		mezannine
10:50 - 11:20	Parallel sessions: Hands on data analysis SAXS / XRD / PDF	All hands on deck	2068 / 2206 / 2210
11:20 - 12:00	GSAS-II beyond Rietveld	Bob von Dreele	2068
12:00 - 13:00	----- Lunch Break -----		mezzanine
	Advanced topics afternoon		2068
13:00 - 13:30	micro XRD and Laue XRD	Renfei Feng	2068
13:30 - 14:00	In-situ experiments	Beatriz Moreno	2068
14:00 - 14:30	Ptychography	Charan Kuppili	2068
14:30 - 15:00	Snacks		mezannine
15:00 - 15:30	X-ray emission spectroscopy	Narayan Appathurai	2068
15:30 - 16:00	How do synchrotrons work and what are they good for	Feizhou He	2068
16:00 - 16:10	Closing remarks	Beatriz Moreno	2068