

	Sunday 2019-06-02	Monday 06-03	Tuesday 06-04	Wednesday 06-05	Thursday 06-06	Friday 06-07	Saturday 06-08
8:30 – 10:30		Space Groups I	Mathematical model of a lattice	Thomson scattering and interference of scattered waves	Symmetry in reciprocal space	Direct Methods and Patterson Methods	Pablo Bereciartua Incommensurate phases and superspace formalism
10:30 – 11:00	Coffee break 30 min						
11:00 – 13:00		Space Groups II	Concept of convolution	Temperature factor	The phase problem: ab initio and not ab initio methods	Molecular Replacement	Thomas White Serial data processing
13:00 – 14:00	Lunch break 60 min						
14:00 – 15:30	Opening & Discussion of homework	Space Groups III	Fourier transform I	Diffraction by crystals	Henry Chapman Talk	Anomalous dispersion techniques	
15:30 – 16:00	Coffee break 30 min						
16:00 – 17:30	Point Groups	Space Groups IV	Fourier transform II	Bragg's law, Ewald limiting sphere	DESY Tour	Applied phasing techniques	
17:30 – 18:30	Laue groups	Kay Diederichs <i>Essentials of data collection</i>	Kay Diederichs <i>Statistics and figures of merit</i>	The Fourier Synthesis	Harbour Boat tour		
	BBQ at CFEL (until ~ 22:00)	Group foto		Arwen Pearson <i>Time resolved Crystallography</i>	Possibly dinner in a restarant in town		