



	Sunday 07.06.2015	Monday 08.06.2015	Tuesday 09.06.2015	Wednesday 10.06.2015	Thursday 11.06.2015	Friday 12.06.2015	Saturday 13.06.2015
8:30 – 10:30		Space Groups I	Mathematical model of a lattice	Thomson scattering and interference of scattered waves	Symmetry in reciprocal space	The Fourier Synthesis	Molecular replacement
10:30 - 11:00	Coffee break 30 min						
11:00 – 13:00		Space Groups II	Concept of convolution	Temperature factor	Space group determination	The phase problem: ab initio and non ab initio	SAD-MAD techniques
13:00 – 14:00	Lunch break 60 min						
Lunch 14:00 - 15:30	Opening & Discussion of homework	Space Groups III	Fourier transform I	Diffraction by crystals	G. Bourenkov Data collection schemes	Patterson Methods	T. Schneider Practical Aspects of Phasing
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	Science talk (A. Mancuso)	Direct Methods	
17:30 – 18:30	Laue groups	Science talk (H. Chapman)	Science talk (A. Pearson)	EMBL tour	XFEL tour	Science talk (T. White)	
	BBQ at CFEL (until ~ 21:30)		Harbor Boat Trip (until ~ 21:30)				