Time	Friday May 31	Saturday Jun 1 **Data collection**	Sunday Jun 2 **Data processing and interpretation**	Monday Jun 3 **Validation of results**	Tuesday Jun 4	Wednesday Jun 5 **Beyond X-ray diffraction**	Thursday Jun 6	Friday Jun 7	Saturday Jun 8
8:45		Introduction (Directors & IT)							
9	ARRIVALS (Dinner provided)	What is powder diffraction (**R. Dinnebier**)	CSD database (J. Nyman)	WS integrating 2D data (**A. Fitch**) WS data correction PXRD/PDF (**G. Vaughan**)	WS EXPO (**A. Altomare**) WS Superflip (**D. Sisak Jung**)	WS GSAS2 (**B. Toby**) WS Fullprof (**P. Abdala**)	WS TOPAS (**M. Evans**) WS TOPAS (**A. Kern**) WS PDF GETX3 (**M. Terban**)	WS microstructure (**M- Leoni**) WS Artificial intelligence and machine learning (**D. Olds**)	DEPARTURES
9:45		How does scattering fit into Powder Diffraction (**Simon Billinge**)	Indexing and space group determination (**A. Altomare**)	WS integrating 2D data (**A. Fitch**) WS data correction PXRD/PDF (**G. Vaughan**)					
10:30		*Coffee*	*Coffee*	*Coffee*			*Coffee*	*Coffee*	
11:00		Laboratory data collection (**R. Dinnebier**)	Profile refinement (**B. David**)	WS Use of PDF 5+ database and Jade (**M. Delgado**) WS Python intro (**D. Olds**)	WS EXPO (**A. Altomare**) WS Superflip (**D. Sisak Jung**)	WS GSAS2 (**B. Toby**) WS Fullprof (**P. Abdala**)	WS TOPAS (**M. Evans**) WS TOPAS (**A. Kern**) WS PDF GETX3 (**M. Terban**)	WS microstructure (**M- Leoni**) WS Artificial intelligence and machine learning (**D. Olds**)	
11:45		Choosing beamline for PXRD/PDF (**A. Fitch**)	Structure determination methods (**L. McCusker**)	WS Use of PDF 5+ database and JADE (**Delgado**) WS Python intro (**D. Olds**)					
12:30		*Lunch*	*Lunch with poster preview*	*Lunch with posters*		*Lunch*	*Lunch with poster preview*	*Lunch*	
2:30		High resolution synchrotron PXRD (**L. Saunders**)	Structure refinement (**J. Evans**)	Sources of errors (**D. Sisak Jung**)	Excursion	XRD-CT (**G. Vaughan**)	Artificial intelligence and machine learning (**S. Billinge**)	Synchrotron PXRD in the pharmaceutical industry (**F. Gozzo**)	
3:15		High throughput beamlines (**N.Casati**)	Parametric refinement (**J. Evans**)	Combined powder diffraction and computational methods (**B. David**)		Electron diffraction (**U. Kolb**)	X-ray Absorption Fine Structure (EXAFS) as a complementary tool to PXRD (**P.Abdala**)	HPC detector: (DECTRIS)	
4:00		*Coffee*	*coffee*	*Coffee*		*coffee*	*coffee*	*coffee*	
4:30		High energy beamlines for PDF and PXRD in situ (**M. Jorgensen**)	Symmetry refinement (**J. Evans**)	Publishing meaningful data and CIF (**D. Billing**)		Neutron diffraction (**B. Toby**)	XRD-Raman (**I.Halasz**)	Presentations from abstracts	
5:15		Introduction to WS (D. Billing)	Microstructure analysis (**M. Leoni**)	Local structure analysis (**M. Terban**)		Topas WS intro (**A. Kern**)	Discussion panel: data and metadata (**M. Jorgenson**)	Discussion panel : young crystallographers ask	
6:00		Intro to Erice	Poster Session Odd Numbers	Poster Session Even Numbers		Party Erice		Closing remarks	
8:00		Welcome buffet	Dinner at posters	Dinner at posters				Farewell dinnet	

Legend: grey lectures – yellow social events – green workshops – blue dinners

Workshop schedule

Monday – 3 June		Tuesday – 4 June		Wednesday – 5 June		Thursday – 6 June		Friday – 7 June	
9:00 – 9:45	11:00 – 11:45	9:00 – 10:30	11:00 -12:30	9:00 – 10:30	11:00 – 12:30	9:00 – 10:30	11:00-12:30	9:00 – 10:30	11:00 – 12:30
Integrating 2D data (**A. Fitch**)	WS ICDD (**Delgado**)	EXPO (**A. Altomare**)	EXPO (**A. Altomare**)	GSAS2 (**B. Toby**)	GSAS2 (**B. Toby**)	TOPAS (**M. Evans**)	TOPAS (**M. Evans**)	Microstructure (**M. Leoni**)	Microstructure (**M. Leoni**)
Data correction PXRD/PDF (**G. Vaughan**)	Python intro (**D. Olds**)	Superflip (**D. Sisak Jung**)	Superflip (**D. Sisak Jung**)	Fullprof (**P. Abdala**)	Fullprof (**P. Abdala**)	TOPAS (**A. Kern**)	TOPAS (**A. Kern**)	Artificial intelligence and machine learning (**D. Olds**)	Artificial intelligence and machine learning (**D. Olds**)
						PDF GETX3 (**M. Terban)**	PDF GETX3 (**M. Terban)**		