

Draft Programme for Advanced Accelerator Physics
3-15 September, 2017, Egham, UK

Time	Sunday 3 Sept.	Monday 4 Sept.	Tuesday 5 Sept.	Wednesday 6 Sept.	Thursday 7 Sept.	Friday 8 Sept.	Saturday 9 Sept.	Sunday 10 Sept.	Monday 11 Sept.	Tuesday 12 Sept.	Wednesday 13 Sept.	Thursday 14 Sept.	Friday 15 Sept.		
08:30	A R R I V A L D A Y	Opening Talks	Introduction to Lattice Cells	Wakefields and Impedances	Beam Instabilities – Longitudinal	Beam Instabilities – Transverse	Electron Cloud and Instabilities	E X C U R S I O N	Beam-Beam Effects	NLD Methods and Tools II	NLD Methods and Tools III	Low Emittance Machines I	D E P A R T U R E D A Y		
09:20				B. Holzer	G. Rumolo	K. Li	G. Rumolo		K. Li	T. Pieloni	W. Herr	W. Herr		A. Wolski	
09:30		Recap. Transverse Beam Dynamics I	Recap. Longitudinal Beam Dynamics I	Space Charge in Linear Machines	Space Charge in Circular Machines	Instabilities in Linacs	Feedback Systems II			Timing and Synchronisation	NLD Phenomenology I	NLD Phenomenology II		Insertion Devices	
10:20		H. Schmickler		M. Ferrario	M. Ferrario	M. Ferrario				A. Gallo	Y. Papaphilippou	Y. Papaphilippou		J. Clarke	
10:30		COFFEE	COFFEE	COFFEE	COFFEE	COFFEE	COFFEE			COFFEE	COFFEE	COFFEE		COFFEE	
11:00		Introduction to RF Measurement Techniques	Introduction to Beam Instrumentation and Diagnostics II	Recap Longitudinal Beam Dynamics II	Energy Recovery Linacs	Feedback Systems I	Discussion on Instabilities			NLD Methods and Tools I	Study	High Brightness Beam Diagnostics		Low Emittance Machines II	
11:50		M. Wendt	R. Jones		A. Jankowiak					W. Herr		A. Cianchi		A. Wolski	
12:00		Introduction to Beam Instrumentation and Diagnostics I	Introduction to Insertions	Introduction to Non-Linear Dynamics	Landau Damping I	Landau Damping II	Advanced Concepts for Beam-Driven Acceleration			Beam Cooling	Advanced Magnet Technologies	Discussion on Non-Linear Dynamics		Advanced Concepts for Laser-Driven Acceleration	
12:50		R. Jones	B. Holzer	Y. Papaphilippou	V. Kornilov	V. Kornilov	M. Ferrario			M. Steck	L. Quettier			S. Hooker	
13:00		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH			LUNCH	LUNCH	LUNCH		LUNCH	
14:30		Recap Transverse Beam Dynamics II													
15:20		H. Schmickler	C1 C2 C3	C1 C2 C3		F	C1 C2 C3		C1 C2 C3	C1 C2 C3	C1 C2 C3	C1 C2 C3		F	C1 C2 C3 Presentations
15:30		Introduction to Optics Design				R								R	
						E								E	
						E								E	
16:20		B. Holzer													
16:30	COFFEE	COFFEE	COFFEE			COFFEE	COFFEE		COFFEE	COFFEE		COFFEE			
17:00	Registration	IS1M	C1 C2 C3	C1 C2 C3		C1 C2 C3	C1 C2 C3		C1 C2 C3	C1 C2 C3		Closing Talks			
19:30	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner			

C1 – Beam Instrumentation and Diagnostics; C2 – RF Measurement Techniques; C3 – Optics Design and Correction