

PROGRAMME
Free Electron Lasers and Energy Recovery Linacs (FELs and ERLs), 31 May – 10 June, 2016

Time	Tuesday 31 May	Wednesday 1 June	Thursday 2 June	Friday 3 June	Saturday 4 June	Sunday 5 June	Monday 6 June	Tuesday 7 June	Wednesday 8 June	Thursday 9 June	Friday 10 June			
08:30	A	Opening Talks	Wakefields	Lasers in FEL Facilities	Concept of ERL	E	Quantum FEL	09:00 LLRF Controls and Feedbacks	Advanced Undulator Concepts	Undulator Tapering	D			
09:30				U. Van Rienen	M. Divall		A. Jankowiak	G. Robb	S. Pfeiffer	J. Rosenzweig		M. Yurkov		
09:30			Electromagnetic Theory	Linear Beam Optics I	Motion in an Undulator		High Gain Regime 1D I	X	High Gain Regime 3D	10:00 Coherence Properties of the Radiation from SASE FEL		Photon Beam Transport	Crystallography and Molecular Imaging using X-Ray Lasers	
10:30			W. Herr	B. Holzer	S. Reiche		K.-J. Kim		K.-J. Kim	M. Yurkov		M. Yabashi	T. White	
			COFFEE	COFFEE	COFFEE		COFFEE		COFFEE	COFFEE		COFFEE	COFFEE	P
11:00		R	Special Relativity	Linear Beam Optics II	Pendulum Equations and Low Gain Regime		High Gain Regime 1D II	C	Temporal Coherence	11:30 The European XFEL		Electron Beam Diagnostics	Machine Protection	A
12:00		R						U						R
12:00		I	W. Herr	B. Holzer	S. Reiche		K.-J. Kim		K.-J. Kim	H. Weise		R. Ischebeck	L. Froehlich	T
12:00		V	Synchrotron Radiation I	Coherence in Beams	Bunch Length Compressors		Seeding Schemes I	R	Experience from FLASH: FEL Theory versus Experiment	12:30 Plasma Wake Driven FEL		Timing and Synchronisation	Different ERL Applications	U
13:00		A	L. Rivkin	J. Rossbach	S. Di Mitri		L. Giannessi	S	M. Yurkov	R. Assmann		M. Bellaveglia	K. Aulenbacher	R
	L	LUNCH	LUNCH	LUNCH	LUNCH		LUNCH	LUNCH	LUNCH	LUNCH	E			
14:30	D	Synchrotron Radiation II	Space Charge Mitigation	Coherent Synchrotron Radiation and Microbunching	Seeding Schemes II	I	XFEL	V I S I T O D E S Y	Case Study Work	Case Study Presentations	D			
15:30						O	K.-J. Kim							
15:30		A	Undulators	SC Cavities (High Q)	Electron Sources and Injector Systems	Beam Dynamics of ERLs	N		Case Study Work	Case Study Work		Case Study Presentations	A	
16:30		Y	J. Pflueger	R. Calaga	E. Chiadroni	A. Jankowiak								
		TEA	TEA	TEA	TEA		TEA		TEA	TEA				
17:00	Registration	Linear Accelerator Technology	Historical Survey of FELs	Energy Efficiency	Transverse Optics in the ERL Arcs		Case Study Work		Case Study Work	Seminar Gravitational Waves	Y			
18:00			D. Alesini	M. Couprie	E. Jensen	A. Valloni				R. Schnabel				

18:30 Case Study

Introduction

19:30 **Dinner Dinner Dinner Dinner Dinner Dinner**