

ADVANCED ACCELERATOR PHYSICS COURSE – TRONDHEIM, NORWAY, 18 – 29 August, 2013

Time	Sunday 18 August	Monday 19 August	Tuesday 20 August	Wednesday 21 August	Thursday 22 August	Friday 23 August	Saturday 24 August	Sunday 25 August	Monday 26 August	Tuesday 27 August	Wednesday 28 August	Thursday 29 August		
08:30	A R R I V E L D E A Y 19:00- 22:00 Buffet Dinner	Opening Talks	Transverse Dynamics II	New Tools for Non Linear Dynamics I	New Tools for Non Linear Dynamics II	Non Linear Dynamics II	Low Emittance Machines III	E X C U R S I O N D I N N E R	Landau Damping I	Landau Damping II	Timing and Synchronisation	D E P A R T U R E A F T E R B R E A K F A S T		
09:30		B. Holzer		B. Holzer	W. Herr	W. Herr	O. Bruning		A. Wolski	W. Herr	W. Herr		H. Schlarb	
09:30		Transverse Dynamics I	Longitudinal Dynamics II	Beam Instabilities I	Beam Instabilities II	Low Emittance Machines I	Space Charge		RF Cavity Design	High Field Magnets	Feedback Systems I			
10:30		B. Holzer	F. Tecker	G. Rumolo	G. Rumolo	A. Wolski	M. Ferrario		E. Jensen	G. deRijk	H. Schmickler			
		COFFEE	COFFEE	COFFEE	COFFEE	COFFEE	COFFEE		COFFEE	COFFEE	COFFEE		COFFEE	
11:00		Longitudinal Dynamics I	Introduction to Beam Diagnostics	Machine Protection	T1	Linear Accelerators I	T2		T3	Medical Applications	T4			
12:00		F. Tecker	H.Schmickler	R.Schmidt	Longitudinal Dynamics	M. Vretenar	Transverse Dynamics		Low Emittance Machines	C. Biscari	Non-Linear Dynamics			
12:00		Introduction to Beam Instrumentation	Insertions	Private Study	Non Linear Dynamics I	Private Study	Instabilities in Linacs		Beam-beam	Private Study	Feedback Systems II			
13:00		R. Jones	B. Holzer		O. Bruning		M. Ferrario		T. Pieloni		H. Schmickler			
		LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH		LUNCH	LUNCH	LUNCH		LUNCH	
15:00		Lattice Cells	C1	C1	F R E E A F T E R N O N D I N N E R	Low Emittance Machines II	C1		C1	C1	C1			
16:00		B. Holzer	C2	C2		A. Wolski	C2		C2	C2	C2			
16:00		RF Measurement Concepts	C3	C3		Linear Accelerators II	C3		C3	C3	C3			
17:00		F. Caspers				M. Vretenar								
	TEA	TEA	TEA	TEA		TEA	TEA	TEA	TEA	TEA	TEA			
17:30	Discussion Session	C1	C1	Dinner		Seminar Linear Colliders	Poster Session	Seminar Northern Lights	Seminar Norwegian Petroleum Research	18:00 Status and Prospects of High-Energy Physics				
18:30		C2	C2			E. Adli			A. Egeland	M. Landrø	F. Gianotti			
20:00	Dinner	Dinner	Dinner			Dinner	Dinner	Dinner	Dinner	Dinner	Special Dinner			
21:30		Discussion Session	Discussion Session							Discussion Session	Discussion Session			

Course 1 = RF Measurements Techniques (F. Caspers and P. Kowina) Course 2 = Beam Instrumentation and Diagnostics (R. Jones, H. Schmickler, K. Wittenburg, M. Gasior, T. Lefevre)
 Course 3 = Optics Design and Corrections (W. Herr, O. Bruning, B. Holzer, V. Kain, Y. Papaphilippou)