

**PROGRAMME FOR THE JOINT CERN – JAPAN - RUSSIAN – JINR - USA
ADVANCED ACCELERATOR SCHOOL ON HIGH QUALITY BEAMS (JAS'2000)
Russia , July 1 –14 2000**

DAY/TIME	07.30 08.30	08.30- 09.20	09.20 - 10.10	10.10- 10.40	10.40- 11.30	11.30- 12.20	12.30- 14.00	14.30- 15.20	15.20- 16.10	16.10- 16.40	16.40- 17.40	17.40- 18.40	19.30 20.30
Saturday (July 1) St. Petersburg	EMBARKATION (From 09.00 a.m.)						L U N C H	EMBARKATION					D I N N E R
22.00 – 24.00 EXCURSION. " Bridges. White nights" (by bus)													
Sunday (July 2) St. Petersburg	09.00 B R E A K F A S T	EMBARKATION <u>09.30 – 15.30</u> EXCURSION to Peterhoff (by bus)					15.30 L U N C H	EMBARKATION <u>16.30 – 18.00</u> EXCURSION The Hermitage. (by bus)					18.00 D I N N E R
Monday (July 3) St. Petersburg DEPARTURE	09.00 B R E A K F A S T	09.30 – 12.00 EXCURSION Sightseeing round St. Petersburg. (by bus)					L U N C H	14.00 Opening remarks A. Skrinzky, I. Meshkov 14.30 Basic phase space A. Lebedev	Linear beam dynamics and beyond E. Pavvedantsev	C O F F E E	Seminar Future colliders E. Keil	Seminar High power DC electron accelerators R. Sotnikov	19.30 W E P L A C E O F M E
Tuesday (July 4) Valeam Island 08.00-21.00	B R E A K F A S T	EXCURSION PROGRAMME					L U N C H	Quality limitation for hadron beams J. Gareyte	Seminar Electron medical accelerators E. Tanabe	C O F F E E	Parallel sessions Tutorial 1 Tutorial 2 Tutorial 3		D I N N E R
Wednesday (July 5) Mandrogil 10.30-14.00	B R E A K F A S T	Quality limits for electron rings T. Kasuga	Review luminosity limitations S. Kurokawa	C O F F E E	Review of cooling V. Parkhomchuk	Wake fields G. Stupakov	B A R B E C U E	Impe- dances G. Stupakov	Seminar Muon colliders A. Skrinzky	C O F F E E	Parallel sessions Tutorial 1 Tutorial 2 Tutorial 3		D I N N E R
Thursday (July 6) Kizhi Island Petrozavodsk 07.00-12.00 16.00-23.00 The 1 st disembarkation point	B R E A K F A S T	Intrabeam scattering J. Struckmeyer	Residual gas and ion effects H. Fukuma	EXCURSION PROGRAMME			L U N C H	Seminar Accel- erators recupera- tors for FEL and other applica- tions N. Vinokurov	Seminar Antihydro- gen and positro- nium genera- tion I. Meshkov	C O F F E E	Parallel sessions Tutorial 1 Tutorial 2 Tutorial 3		20.00 D I N N E R
										18.30 EXCURSION PROGRAMME FOR TOURISTS			
18.30 EXCURSION PROGRAMME													

DAY/TIME	07.30-08.30	08.30-09.20	09.20-10.10	10.10-10.40	10.40-11.30	11.30-12.20	12.30-14.00	14.30-15.20	15.20-16.10	16.10-16.40	16.40-17.40	17.40-18.40	19.30-20.30
Friday (July 7) Vytegra 07.30-13.00	B R E A K F A S T	Emission preservation in proton rings <i>F. Willeke</i>	Emission preservation in linac <i>M. Miny</i>	C O F F E E	EXCURSION PROGRAMME		L U N C H	Beam-beam interaction (basic) <i>J. Seeman</i>	Seminar Polarized electron sources <i>T. Nakazaki</i>	C O F F E E	Parallel sessions Tutorial 1 Tutorial 2 Tutorial 3		D I N N E R
Saturday (July 8) Goritsy 08.00-15.00	B R E A K F A S T	EXCURSION PROGRAMME					L U N C H	Luminescence lifetime and halo effects <i>F. Willeke</i>	Vlasov equation and Landau damping <i>D. Pestrikov</i>	C O F F E E	Parallel sessions Tutorial 1 Tutorial 2 Tutorial 3		D I N N E R
Sunday (July 9) Yaroslavl 14.00-21.00 <u>The 2d disembarkation point</u>	B R E A K F A S T	Beam loading issues in ring <i>K. Akai</i>	Beam-beam effects <i>J. Seeman</i>	C O F F E E	Longitudinal instability <i>L. Palumbo</i>	Mode coupling instabilities <i>J. Garayte</i>	L U N C H	EXCURSION PROGRAMME					21.30 B A N Q U E T

DAY/TIME	07.30-08.30	08.30-09.20	09.20-10.10	10.10-10.40	10.40-11.30	11.30-12.20	12.30-14.00	14.30-15.20	15.20-16.10	16.10-16.40	16.40-17.40	17.40-18.40	19.30-20.30
Monday (July 10) Uglich 09.30-12.30 <u>The 3d disembarkation point</u> Kimry 19.00 <u>The 4th disembarkation point</u>	B R E A K F A S T	Seminar of INTERNATIONAL SCIENCE & TECHNOLOGY CENTER		EXCURSION PROGRAMME			L U N C H	Parallel sessions Tutorial 1 Tutorial 2 Tutorial 3				18.00	D I N N E R
19.00 DISEMBARKATION FOR SCHOOL PARTICIPANTS													
Tuesday (July 11) Moscow 11.30	11.30 DISEMBARKATION FOR TOURISTS ACCOMMODATION IN MOSCOW FOR EXTRA CHARGE EXCURSION PROGRAMME IN MOSCOW FOR EXTRA CHARGE												

- Tutorial 1 : Space charge (*S. Mechide and N. Vinokurov*)
- Tutorial 2 : Insertion and crossing region design (*H.-U. Wienands and P. Beloshitsky*)
- Tutorial 3 : Beam quality control for linear colliders (*F. Zimmermann and P. Logachev*)

DAY/TIME	09.00-09.50	09.50-10.40	10.40-11.00	11.00-11.50	11.50-12.40	13.00-14.30	15.00-15.50	15.50-16.40	16.40-17.00	17.00-17.50	17.50-18.40	19.00-20.00
Tuesday (July 11) Dubna		10.00 HOM compensation <i>T. Kageyama</i>	C O F F E E	Beam-beam effects linear colliders <i>K. Yokoye</i>	Polarized electron beams <i>Y. Shalunov</i>	L U N C H	High brightness electron storage ring <i>J. Murphy</i>	Transverse instabilities <i>D. Pestrikov</i>	C O F F E E	Head-tail instabilities <i>D. Pestrikov</i>	Polarised proton beams <i>Y. Shatunov</i>	D I N N E R
Wednesday (July 12) Dubna	Beam feedback systems <i>M. Tobiya</i>	Structure of elementary particle theory <i>D. Shirkov</i>	C O F F E E	Status report of JINR activities <i>V. Zhabitsky</i>	Summary of the course <i>I. Meshkov</i>	L U N C H	VISIT TO JINR LABS 18.30 Concert of folklore ensemble "RODNIK"					20.00 F A I R I E W E L L
Thursday (July 13) Dubna	VISIT TO JINR LABS:					L U N C H	Excursion Sightseeing round Dubna					D I N N E R
Friday (July 14)	DUBNA-SHEREMETYEVO - DEPARTURE Those wishing to have an excursion to Moscow should provide individual requests to the Secretariat.											