Workshop on superconducting undulators & wigglers - grenoble - 30th June & 1st July 2003

preliminary programme

25/06/2003

Monday 30th june

Chair : K Robinson

2:00	P Elleaume	ESRF	Introduction	20
2:20	N Mezentsev	BINP	Superconducting high field magnets for SR generation in Budker INP	30
2:50	E Wallen	ESRF	The cold bore superconducting wiggler of Maxlab	30
3:20	***coffee***			
3:40	D Zangrando	ELETTRA	Assembling, installation & test of the Elettra 3.5T superconducting wiggler	40
4:20	E Weihreter	BESSY	A 7T multipole wiggler for BESSY II	20
4:40	D Berger	HMI	Design of vacuum chambers & Safety aspects of a 56 kW multipole wiggler	25
5:05	B Podobedov	BNL	Impact of minigap undulators on beam dynamics & operations at NSLS	25
5:30	Visit of the Control Room			30

Tuesday 1st july

Chair : M Eriksson

8:30	J Chavanne	ESRF	Impact of in-vacuum permanent magnet undulators on beam dynamics at ESRF	20
8:50	R Rossmanith	ISS/ANKA	The planned beam tests with a superconductive undulator at ANKA & future plans	15
9:05	S Kubsky	Accel	Superconducting minigap undulators : engineering & design aspects, parameter range & spectral performances	25
9:30	K Robinson	LBNL	Superconducting undulator R&D collaboration in the United States	20
9:50	***coffee***			
10:10	R Kustom	ANL	APS plans for superconducting undulators	30
10:40	S Sasaki	ANL	Design for a superconducting planar helical undulator	20
11:00	SH Kim	ANL	Status of a short-period superconducting undulator at APS	20
11:20	SH Kim	ANL	Magnetic field analysis of superconducting undulators and scaling law	30
11:50	***meal***		***Chair : J Chavanne***	
2:00	S Prestemon / D Dietderich	LBNL	Superconducting undulator R&D at LBNL	30
2:30	J Skaritka	BNL	Superconducting undulator test facility at the Brookhaven National Laboratory	20
2:50	D Scott	Daresbury	A helical undulator for the production of polarised positrons	20
3:10	T Schmidt	SLS	Expansion of the hard x-ray energy range of the 2.4-2.7 GeV SLS with supraconducting undulators : prospects & limits	10
3:20	S Strohmer	ISS/ANKA	Resistive wall heating of ANKA undulator	15
3:35	***coffee***			
4:05	J Welch	SLAC	Some aspects of beam generated heating of superconducting undulators	30
4:35	E Wallen	ESRF	Thermal budget of a cold bore superconducting undulator for the ESRF	30
5:05	B Podobedov	BNL	Image current heating in cold bore superconducting insertion devices	25
5:30	Visit of the insertion devices laboratory			45
6:15	***End of the workshop***			