

Welcome to the 7th ESLS RF Meeting

hosted at ANKA

16 - 17 October 2003

Research Center of Karlsruhe, FZK





Organization Chart

Forschungszentrum Karlsruhe GmbH

Status: August 2003

General Meeting of Members

Supervisory Board
MinDir. Dr. H. Schunck (Chairman), StS Dr. H. Mehrländer (Deputy Chairman)

Scientific-Technical Council
Managing Committee:
Prof. Dr. P. Komarek (Chairman), Prof. Dr. V. Saile, Dipl.-Phys. G. Henneges

Executive Board
Prof. Dr. Manfred Popp (Chairman)
Ass. jur. Sigurd Lettow (Deputy Chairman)
Dr. Peter Fritz
Prof. Dr. Reinhard Maschuw

Works Council
Chairman: Dr. D. Schulze

Research Division

Decommissioning Division

	Research Division				Decommissioning Division	
	V1		V2		V3	
	Prof. Dr. Manfred Popp		Dr. Peter Fritz		Ass. jur. Sigurd Lettow	
Prof	Chemistry		Physics		Medical	
Inst	Physics		Chemistry		Medical	
Sup	Physics		Chemistry		Medical	
Task	Physics		Chemistry		Medical	

Figures:

3584 Employees

293 M€ Annual Research Budget (2003)

23 Scientific Institutes

R&D Planning and Controlling, International Relations
Dr. H. Möller

Executive Office
S. Crocoll-Dustagheer (Acting Head)

HBM
Library and Media Central Department
Dr. J. Goebelbecker

MED
Medical Department
Dr. V. List

Project Agencies

BWP
Baden-Württemberg Research Program Management
Dr. F. Horsch

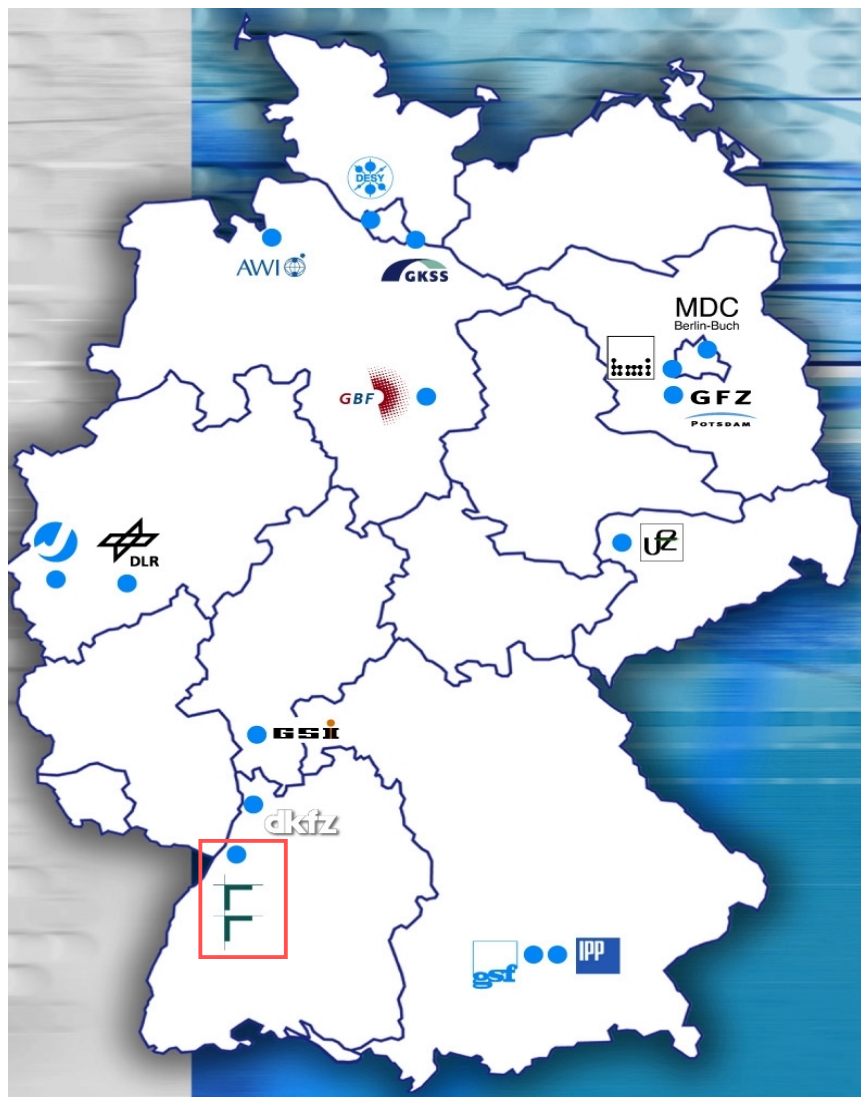
PWTF+E
Project Agency for Water Technology and Waste Management for BMBF and BMWA
Dr. P. Hembefe

PFT
Project Management Agency for Production and Manufacturing Technologies for BMBF
Dr. I. Bey



The „Helmholtz-Gemeinschaft“ (HGF)

Year 2003



Deutsches Zentrum für Luft- und Raumfahrt	
Forschungszentrum Jülich	
Forschungszentrum Karlsruhe	
Deutsches Krebsforschungszentrum	
Deutsches Elektronen-Synchrotron	
Forschungszentrum für Umwelt und Gesundheit	
Max-Planck-Institut für Plasmaphysik	
Alfred-Wegener-Institut für Polar- und Meeresforschung	
Umweltforschungszentrum Leipzig-Halle	
Gesellschaft für Schwerionenforschung	
Hahn-Meitner-Institut Berlin	
Forschungszentrum Geesthacht	
Max-Delbrück-Centrum für Molekulare Medizin	
GeoForschungszentrum Potsdam	
Gesellschaft für Biotechnologische Forschung	

Budget [Mio. €]	Personnel
450,0	4151
371,0	4012
293,0	3584
123,0	1460
196,0	1377
142,0	1373
125,0	1170
72,0	757
54,0	698
75,0	697
69,0	681
72,0	644
59,0	598
50,0	589
53,0	530
2203,0	22321

**Research Areas of the
„Helmholtz-Gemeinschaft“**



Structure of Matter

Health

Earth and Environment

Energy

Transport and Space

Key Technologies

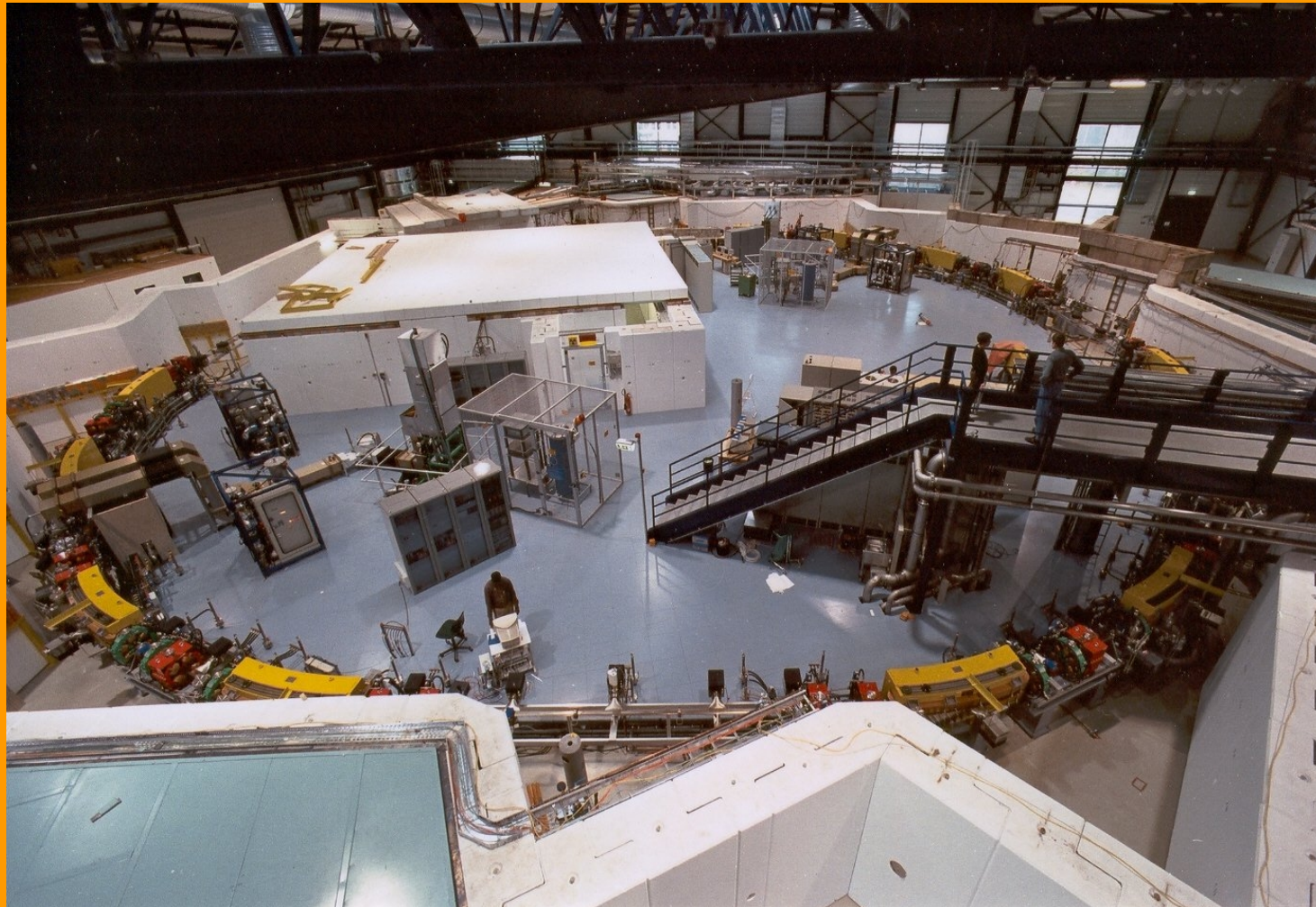


Research Center of Karlsruhe, FZK

ANKA



Forschungszentrum Karlsruhe in der Helmholtz-Gemeinschaft



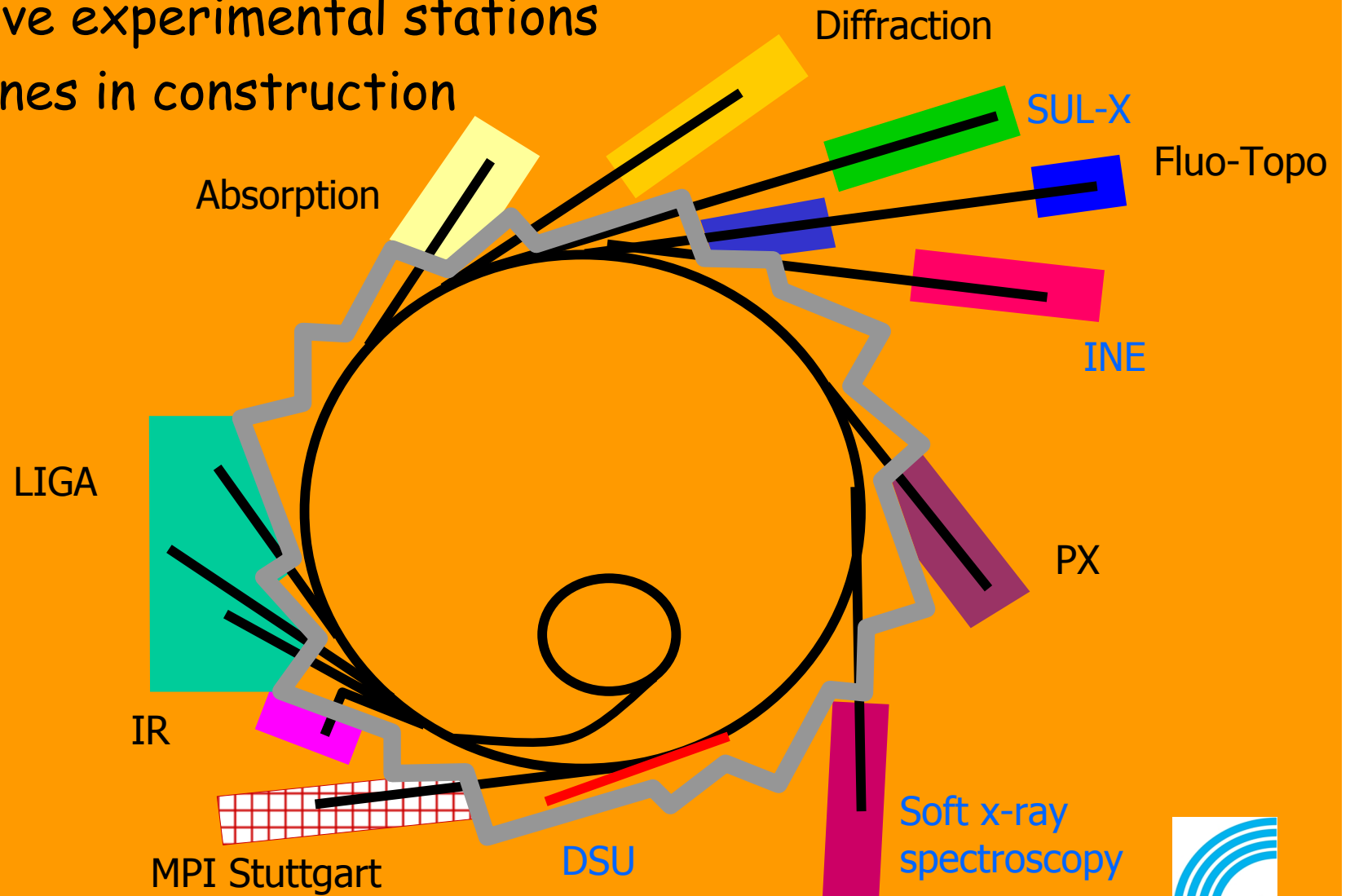
The main parameters of the ANKA Storage Ring are:

Circumference	110.4 m
Electron energy	2.5 GeV
Electron Current	200 mA
Emittance	88 nm rad
T_{rev}	368 ns



Photon critical energy	6.2 keV
Photon flux @ ϵ_c	$8 \cdot 10^{12}$ ph/s/0.1%BW/mrad
Brilliance @ ϵ_c	$5 \cdot 10^{13}$ ph/s/0.1%BW/mm ² /mrad ²

9 operative experimental stations
4 beamlines in construction

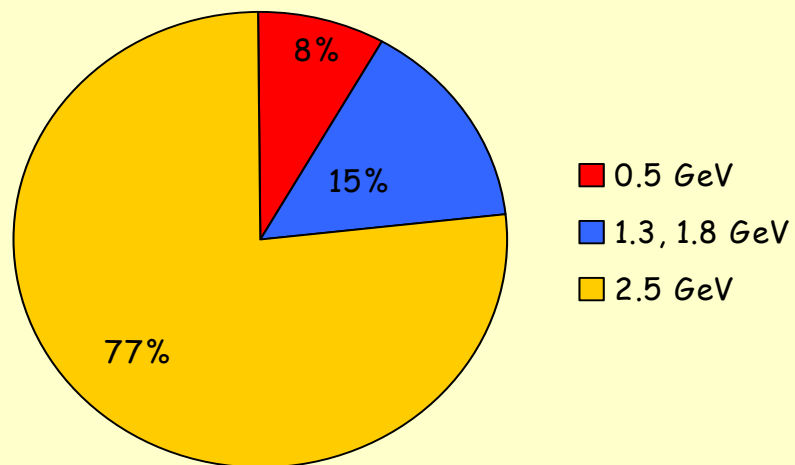


Operation of ANKA

Sep 2002 - Aug 2003: 4900 h of operation at ANKA

92 % of beam availability

Distribution in Energy



At 2.5 GeV

83 %	Users Operation
17 %	Machine physics and optimisation

Transition from Installation to Operation

ANKA, 1st Users Meeting, September 2002

1st Call for Proposals, December 2002

59 proposals

beamtime March to August 2003

2nd Call for Proposals, June 2003

63 proposals

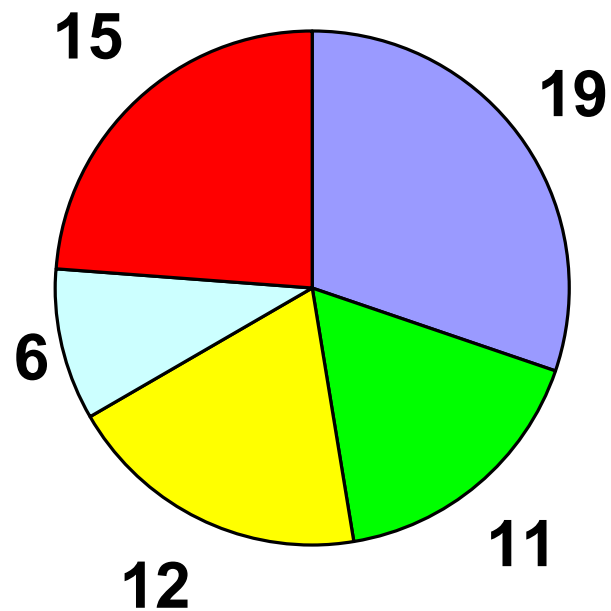
beamtime September 2003 to February 2004

ANKA, 2nd Users Meeting, September 2003

1st annual report

1. Call: 58 Proposals, 42 could be served
2. Call: 63 proposals

Proposal distribution of 2. call:



■ Absorption

■ Diffraction

■ Fluorescence /
Topography

■ Protein
Crystallography

■ Infrared