



PSI, Villigen
July, 2000

**MINUTES "BESCHLUSSKONFERENZ"
OF THE USERS MEETING BV 31 AT PSI
June 26/27, 2000**

present: Prof. R. Eichler (Chairman)
Dr. K. Gabathuler
Dr. D. Herlach
Dr. E. Morenzoni
Dr. C. Petitjean (secretary)
Dr. P.A. Schmelzbach
Dr. L. Simons
Dr. E. Steiner
Prof. P. Truöl

excused:
Dr. W. Fischer
Dr. G. Goitein
Prof. H. Keller
Prof. J.V. Kratz
Dr. R. Rosenfelder
Dr. T. Stambach

1. Approval of Experiments

At the users meetings in summer 2000, BV 31, the particle physics community and its research committee have met on June 26-27, 2000. The recommendations of the BVR research committee (see minutes) are approved.

New Proposals

- R-00-01.2 Measurement of Total π^-p Charge Exchange Cross Sections at Low Energies
E. Friedman et al., Jerusalem, Tübingen
Approved with low priority, 3 weeks in area $\pi M1$ and 2 weeks in $\pi E3$.
- R-00-05.1 A new Precision Measurement of the Neutron Electric Dipole Moment (EDM)
A. Serebrov, M. Daum, J. Sromicki et al., PNPI Gatchina, PSI, ETHZ, Virginia, ILL Grenoble, Fribourg, Cracow
The experiment is approved in principle and should be done at PSI. However, the experimental techniques as described in the proposal are still considered to be too vague. Therefore, a procedure of approvals in steps of milestones shall be adopted with designated experts monitoring the progress. A list of milestones will be communicated to the collaboration.

Progress Reports

The production beam times of the following experiments, which have submitted progress reports on request, are approved:

- R-87-03.1 Search for μ -e conversion
A. van der Schaaf et al., Zürich, PSI, Swierk, Aachen
24 weeks in area $\pi E5$
- R-94-10.1 Measurement of the transverse polarization of positrons from the decay of polarized muons
W. Fetscher et al., ETHZ, Cracow, PSI, Katowice
8 weeks in area $\mu E1$
- R-97-06.1 A Precision Measurement of the Michel Parameter ξ'' in Polarized Muon Decay
R. Prieels et al., Louvain, PSI, ETHZ
6 weeks in area $\pi E3$

For the following experiments a technical proposal and sharing of responsibilities within the collaboration is requested, before production beam time can be allocated:

- R-96-04.1 Search for Time Reversal Violation in the Decay of Free, Polarized Neutrons
J. Sromicki et al., ETHZ, Cracow, Psi, Wisconsin, Gatchina

2. Beam Schedules, LEPS

The Beam Schedule 2000 was essentially fixed already at the BV30 meetings in January. It is endorsed for the rest of the year with some minor changes.

The physics program with the low energy pion spectrometer (LEPS) is considered to come to an end. Therefore, no new proposals using LEPS will be accepted anymore. The ongoing experiments should be finished not later than by the end of 2001.

3. Acknowledgements

Prof. Jean-Pierre Perroud from the University of Lausanne has finished his term in the BVR committee after eight years of very valuable expertise. We like to thank him very much for all his service and lively contributions!

4. Varia

The next users meetings are scheduled as follows (the deadline for submission of proposals, beam requests, etc. are given in brackets):

BVZ (Philips Cyclotron): (not yet fixed, likely date in December 2000)

μ SR (combined with n-scattering): 24-26 January 2001 (deadline November 27, 2000)

BVR (Ring Accelerator): 5-6 March 2001 (deadline January 26, 2001)

Attachments:

- PSI 590 MeV Program July - December 2000
- the recommendations of the scientific committee can be found on the internet:
<http://www.psi.ch/ltp/bvr.html>

PSI 590 MeV Program July - December 2000

Number of week	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51		
Date of Monday	3.7	10.7	17.7	24.7	31.7	7.8	14.8	21.8	28.8	4.9	11.9	18.9	25.9	2.10	9.10	16.10	23.10	30.10	6.11	13.11	20.11	27.11	4.12	11.12	18.12		
590 MeV accelerator, Injector I																											
590 MeV accelerator, Injector II																											
Area	Proposal #	Spokesman	Experiment	Target E 4 cm																							
π M1	Reiker		Detector-Tests																								
	Mättig		Tests CMS																								
			Entsorgung SUSI																								
	Meier		Tests																								
	Mori		July																								
			Straumann	Tests																							
π M3		Heilach (coord)	RA-Programm																								
π E1		Pocanic	$\pi\beta$ Decay																								
			Test CMS																								
π E3		Pieels	π^+ parameter																								
		Heitzog	μ lifetime																								
		RA-program	μ SR																								
		Morenzoni	LEM tests																								
		Meier	A($\pi\pi$)																								
		Separator 2																									
π E5		van d. Schaaf	Sindrium II, PMC																								
		Kaltmann	μ H Lamb shift																								
		Gotta	π Mass																								
μ E1	RA	RA-program	μ SR																								
		Felscher																									
μ E4		Kaltmann	Testaufbau																								
	RA	RA-program	μ SR																								
NA2		Hadas/Zehnder	PIF																								
		Victoria	PIREX																								
NA3		Pedroni-Gottem	p-Therapy																								
			Special exp. Dosimetry																								

NA Areas For Details see weekly program

PSI 590 MeV Program July - December 2000