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. Stammbach

# 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  $\pi$  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 µE1

R-97-06.1 A Precision Measurement of the Michel Parameter  $\xi^{"}$  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 responsabilities 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* 

# 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.

#### Acknowledgements **3.**

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):

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BVZ (Philips Cyclotron): (not yet fixed, likely date in December 2000)
μSR (combined with n-scattering): 24-26 January 2001 (deadline November 27, 2000)
BVR (Ring Accelerator): 5-6 March 2001 (deadline January 26, 2001)
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### **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

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NA Areas For Details see weekly program