Organisation européenne pour la recherche nucléaire

CERN

European Organization for Nuclear Research

Mr. A. Gunther

CERN Research Board

Decisions of the 41st Meeting of the
Research Board

Held on 24 January 1980

Present: J.B. Adams (Chairman); Y. Goldschmidt-Clermont (Secretary)
P. Baillon, G. Belletini, C. Bovet, G. Brianti, M. Crowley-Milling,
F. Ferger, S. Fubini, E. Gabathuler, L. Hoffmann, R. Klapisch,
R. Lévy-Mandel, I. Mannelli, J. May, A. Minten, G.L. Munday,
K.M. Potter, B. Povh, J. Prentki, H. Ravn, V. Soergel, P. Standley,
B. Wiik.

Items

I. Procedure

II. Decisions on the SPSC Recommendations

III. Decisions on the PSCC Recommendations

IV. Review of the December Meetings of FC, CC and Council

V. Date of the Next Meeting.
DECISIONS OF THE 41ST MEETING OF THE

RESEARCH BOARD

HELD ON 24 JANUARY 1980

I. PROCEDURE

The Meeting was chaired by the Executive Director General, J.B. Adams, replacing L. Van Hove, now visiting several US laboratories.

Apologies for absence had been received from I. Butterworth, L. Camilleri, E. Chiaveri and P. Zanella.

The Chairman welcomed G. Belletini, who attended the Research Board for the first time as Chairman of the ISRC.

The Minutes of the last meeting (CERN/RB/40) were approved. However, the Annex I, page 3, was updated (see Annex to the present Minutes).

II. DECISIONS OF THE SPSC RECOMMENDATIONS

The Chairman of the SPSC, B. Wiik, reported on the Seventieth Meeting of the SPSC (CERN/SPSC/80-04, SPSC 70).

The study on the SPS improvement, linked to its operation at 450 GeV, is in progress and a report is expected for the April Meeting of the SPSC.

The Period 6 B + C of SPS operation resulted in good running conditions, yielding $4 \cdot 10^{18}$ protons on target, with peak intensity of $2.59 \cdot 10^{13}$ protons/pulse.

Experiment WA57 was completed.

He then presented the SPSC recommendation for approval of the Proposal "Inclusive baryon-antibaryon production in the central region using the Omega spectrometer" by the CERN-Saclay Collaboration (CERN/SPSC/79-116, SPSC/P135). The groups are testing an additional aerogel Cerenkov counter, an essential element used in the $p$ identification in the trigger. The experiment will explore interesting processes of baryon-antibaryon production in good conditions of rate and acceptance. The Research Board approved the experiment, to be called WA63, for a running period of 20 days at 40 GeV incident energy in the $S_1$ beam.
I. Mannelli reported that satisfactory agreements had been made with the participating laboratories of NA19, and that the restrictions made by the Research Board when approving the experiment (CERN/RB/29) were now lifted. The Research Board took note.

J.B. Adams reported that the requests for allocation of money from the DG reserve, accumulated over the last period of six months, were now under study (Review of Large Projects). The items related to the research programme are the following:

- NA19: $10^6$ SF: Construction of a support for the emulsion stack, with high precision drive and recording, and contribution to the purchase of emulsion.

- UA1: $7 \times 10^6$ SF: To be spent over two years: additional manpower, increase in cost of the inner detector, of some mechanical part, of the data acquisition system and help to two outside groups.

- Neutrino area: $0.7 \times 10^6$ SF: Upgrading of electrical power and other auxiliary services for WA1 and WA18.

The Research Board, after hearing reports on these requests, recommended that these additions should be accepted. They will now be examined by the Executive Board and by the Directorate.

III. DECISIONS ON THE PSCC RECOMMENDATIONS

The Chairman of the PSCC, R. Klapisch, reported on the Ninth Meeting of the PSCC (CERN/PSCC/80-6/9).

He briefly described the experiments PS159, 160, 165, 161, 164, 157 and 162, to which allocation of beam time were given as recorded in the Minutes of the Meeting.

The Committee had a preliminary discussion on the possible layouts for the East Hall, underlining in particular the need for high energy test beams.

The Research Board took note, and also of the following concerning the SC and the LEAR programs.
The future balance of the SC program between proton, He and C beams was discussed, and allocations were given to Isolde and to the experiments using He and protons, as recorded in the Minutes. The allocation of C beam will be made after hearing status reports at the May meeting.

It was underlined that the first results with the C beam were very encouraging, including those of the first counter experiments using the extracted beam.

In response to the Committee's request, 18 Letters of Intent were received for experiments at LEAR. After a preliminary discussion, the Committee had appointed referees, in order to review these Letters at a special Closed Session to be held in March, with the aim of giving to the groups guidelines before they submit proposals.

IV. REVIEW OF THE DECEMBER MEETINGS OF FC, CC AND COUNCIL

The Chairman reported on three main points arising from the December Meetings.

The total budget of CERN, which had decreased by ~5% per year during the last five years, is now stabilized. However, the materials budget has decreased, and difficulties are expected in a time of rising prices. The budget for personnel is on the increase, in spite of reductions in numbers which are strongly felt when facing the efforts needed for several projects, the pp collider in particular.

The RESCO study has reached its conclusion after two years, resulting in an increase of the salaries of the lower grades, in an updating of several other aspects of the financial and social terms of employment, and in a decrease of salaries for grades 12, 13 and 14. This last decision has aroused a considerable amount of ill feeling amongst the Senior Staff.

The November Programme Meeting of the Committee of Council was devoted to a detailed presentation of LEP. The comments made by several delegations at the December Meeting of the Council were very positive, and led to two important further steps: the LEP project will be formally presented to the June Meeting of the Council, and the forthcoming 4-year program and budget proposal (1981-1984) will include the first contributions towards the construction of LEP.
V. DATE OF THE NEXT MEETING

The next Meeting will take place on Thursday 21 February at 9.30 a.m., in the Conference Room, 6th Floor, Main Building.

Y. Goldschmidt-Clermont

Enclosures:

- Decisions taken at the Seventieth Meeting of the SPSC, held on 15 and 16 January 1980 (CERN/SPSC/80-04, SPSC 70).

- Minutes of the Ninth Meeting of the PSCC, held on 22 and 23 January 1980 (CERN/PSCC/80-6/9).
ANNEX 1

SUMMARY FOR PERIODS 1 TO 3 INCLUSIVE (Revised)

The approximate times of operation scheduled for periods 1 to 3 given in the table below. Since there is some uncertainty in the program for later periods, only the approximate total running time is given for periods 4 to 7.

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<th>Periods 1 to 3</th>
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<td>3084</td>
<td>2500</td>
<td>1825</td>
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<tr>
<td>Set up and MD</td>
<td>522</td>
<td>610</td>
<td>700</td>
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<tr>
<td>Total</td>
<td>3606</td>
<td>3110</td>
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<tr>
<th></th>
<th>Periods 4 to 7</th>
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<tr>
<td>Total</td>
<td>2530</td>
<td>-</td>
<td>1560</td>
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<td>(1350 without booster)</td>
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