OPEN SESSION

1. Presentations of New Proposals

Brief presentations were made of the following Proposals:

(a) By M. Banner of a Proposal to Search for Charmed Particles and Electron Pairs (CERN-Saclay collaboration);

(b) By L. Di Lella of a Proposal for a High-Sensitivity Search for High Mass States Decaying into Two Electrons (CERN-Columbia-Oxford-Rockefeller collaboration).

In the discussion following these presentations, mention was made of the use of the SFM facility as a muon spectrometer and the possibilities of using it as an electron detector.

2. Status Report

G. Goggi gave a short status report on Experiment R 411, Double Isobar Production: Study of $p + p \rightarrow (p\pi^+\pi^-) + (p\pi^+\pi^-)$ (Pavia-Princeton collaboration).
CLOSED SESSION


Since the last meeting, the ISRC has received the following documents:


- A Proposal to Transform the SPM in a Powerful Electron Detector, by the Bologna-CERN collaboration, CERN/ISRC/74-53.

- Memorandum on Scheduling of Experiment R 108, from the CERN-Columbia-Oxford-Rockefeller collaboration, CERN/ISRC/74-54.

- Proposal to Search for Charmed Particles and Electron Pairs at the ISR, by the CERN-Saclay collaboration, CERN/ISRC/74-55.


- Memorandum on Scheduling of R 410/R 413 in 1975, from the MIT-Orsay-Scandinavian-Liverpool groups, CERN/ISRC/74-58.

1. The Chairman of the ISRC and the Director-General of CERN Laboratory I welcomed the new members of the Committee: H. Bøggild, B.G. Duff, E. Fischer, and J.C. Sens. They also thanked the outgoing members for all the work they had done for the Committee.

   The ISR Co-ordinator for 1975, U. Amaldi, was introduced to the Committee, and particular appreciation was expressed to the outgoing ISR Co-ordinator for all his effort during the year for the ISR experimental program.

2. The Minutes of the fifty-second meeting of the ISRC were approved.
3. **Status Report and Scheduling**

(a) M.G. Albrow reported on the physics runs since the last meeting. Experiment R 603 was completed in mid-November and Experiment R 605 has been installed. F. Muller expressed special thanks from the R 605 group to the ISR Department for the rapidity of this installation.

Albrow informed the Committee that Period 10 had been extended to 20 December at the request of the Director General of CERN Laboratory I because of the interest in possible observation of new effects.

Since the last meeting of the ISRC, Experiment R 401 had made a request to install muon absorbers in the SFM facility. This request had been approved by the Chairman of the ISRC and the Director General of CERN Laboratory I. Copies of the request were distributed to the Committee.

In addition to those ISR experiments already foreseen to be completed by the end of 1974, Experiment R 412 is also expected to be finished by the end of the year.

(b) A tentative schedule of ISR running periods in 1975 and a draft of the 1975 schedule for approved ISR experiments was distributed to the Committee.

The ISRC took note of the Memorandum on Scheduling of Experiment R 108 from the CERN-Columbia-Oxford-Rockefeller collaboration (CERN/ISRC/74-54). Since it is expected that Experiment R 107 would be finished by the end of period 7 (October), it could be foreseen that testing for Experiment R 108 could be carried out in periods 8 and 9.

4. **Program of the Split-Field Magnet Facility**

The SFM Co-ordinator, W. Schmidt-Parzefall informed the Committee of the conclusions reached at a recent meeting of SFM Users groups, and distributed copies of the Minutes of that meeting together with a tentative schedule for 1975.

Although the multi-user scheme has been brought into operation and it could be foreseen that two main-user groups might be able to take data in parallel, P.G. Innocenti warned that this could create too heavy a demand on the help available from the SFM Detector Group.
For improved performance at intersection I-4, the ISRC suggests that priority be given to a vacuum bakeout in that region during the January-February shutdown, with the understanding that this may delay other vacuum work that had been planned. K. Hübner pointed out that the collimators to be installed in the ISR may also lead to improvement at I-4.

The Committee took note of the Memorandum on Scheduling of Experiments R 410/R 413 and also of the warning given by the SFM Co-ordinator of the need for protection against the effects from the spark chambers in these experiments.

The Committee expressed appreciation for the status report on Experiment R 411 given at the Open Session and recommends approval of this group's verbal request for one extra period of running, probably near the end of 1975.

On scheduling, the ISRC confirmed its previous decision that Experiment R 406 should run during the first three periods of 1975 to carry out its approved search for quarks at forward angles. The Committee did not recommend, at this time, the installation of any other experiment or equipment in the large-angle region. For later periods in 1975, the Committee made no decision since it would like to retain some flexibility for use of the SFM facility but it was agreed that the tentative schedule proposed by the SFM Co-ordinator could be used as a guideline for groups making preparations to use the SFM.

5. Discussion on Proposals Presented at the Open Session

(a) On the Proposal to Search for Charmed Particles and Electron Pairs, by the CERN-Saclay collaboration (CERN/ISRC/74-55), the Committee recommends approval of this experiment for installation at I-7 in 1975 with the understanding that it will be completed by the end of the year. It was suggested that an early start be made on the part of this experiment connected with the search for electron pairs.

The ISRC would be pleased if the group making the other Proposal (mentioned below) would also collaborate in this experiment.

A new vacuum chamber is desirable for this experiment and the scheduling of its installation, taking into account the needs for the ISR Department in testing the low-beta section and vacuum chambers required for other approved experiments, will be determined in discussions between the ISR Co-ordinator and the ISR Department.
(b) The Committee does not recommend approval of the Proposal for a High-Sensitivity Search at the ISR for High Mass States Decaying into Two Electrons, by the CERN-Columbia-Oxford-Rockefeller collaboration (CERN/ISRC/74-56) but, as mentioned above, hopes that this group will collaborate in the experiment discussed in (a).

6. Newly Received Proposal

The Committee took note of the Proposal to Transform the SFM into a Powerful Electron Detector, by the Bologna-CERN collaboration (CERN/ISRC/74-53) and asks the group to present this Proposal at the Open Session of the next ISRC meeting. The Committee also awaits a further document giving further details of this Proposal.

7. Other Business

(a) The Committee was informed that the Proposal to Study Neutral Meson Decays and \( \pi^0-\pi^0 \) Correlations in I-7 in 1975, by the CERN-Aachen collaboration (CERN/ISRC/74-42), is withdrawn.

(b) The Committee was also informed that the Saclay group has withdrawn its participation in Experiment R 806T.

8. Next Meeting

The next meeting of the ISRC will be held on

Wednesday, 19 February, 1975

with an Open Session at 9:30 a.m. and a Closed Session at 2:00 p.m.

M.H. Blewett