OPEN SESSION

1. A brief presentation was given by H. Ogren of the Request to Extend the Measurements of R 803 in Order to Study the Production of $\phi$ and $\Lambda$ at $\theta = 90^\circ$ (Scandinavian-CERN-Stony Brook collaboration).

2. In reply to the invitation by the ISRC for other groups to discuss the production of vector mesons at the ISR, the following short talks were presented:

   (a) by G. Smadja on preliminary results of the Production of Vector Mesons in Experiment R 105 (CERN-Columbia-Rockefeller-Saclay collaboration);

   (b) by G. von Dardel on Looking for Vector Mesons in Experiment R 410 (MIT-Orsay-Scandinavian collaboration);

   (c) by M. Della Negra on some preliminary data and further possibilities for a Search for $\phi \rightarrow k^+k^-$ in the Large $p_T$ Data of Experiment R 407/408 (CERN-Col\'lege de France-Heidelberg-Karlsruhe collaboration);

   (d) by A. Kernan on some results of Small Angle $\phi$ Production in the Reaction $pp \rightarrow pp\phi$ at 22/22 GeV (R 602 and R 603 collaborations);

   (e) by P. Schlein on the Status of Experiment R 603 and Vector Meson Studies ($p^0$ and $\phi^0$) with the R 603 Spectrometer (UCLA-Saclay collaboration);

   (f) by F. Muller on Vector Meson Studies in Experiment R 604;

   (g) by W. Willis on Looking for Vector Mesons in Experiment R 806T.
3. At the request of the Chairman of the ISRC, M. Jacob summarized the theoretical aspects of recent experimental results on single lepton production.

CLOSED SESSION


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

- Report on Small Angle $\phi$ Production in the Reaction $pp + pp\phi$ at 22/22 GeV, by the R 602/R 603 collaborations, CERN/ISRC/74-37.


- Memorandum on R 603 Status and Vector Meson Studies ($\rho^0$ and $\phi^0$) with the R 603 Spectrometer, from the UCLA-Saclay collaboration, CERN/ISRC/74-39.

- Memorandum: Request for Permission to Study Correlations Between Two Photons Emitted 90° Apart in Azimuth, by the Pisa-Stony Brook collaboration, CERN/ISRC/74-41.

1. The Minutes of the fiftieth meeting of the ISRC were approved.

2. ISRC Status Report

The ISRC Co-ordinator, M.G. Albrow, described the Status of all experiments now active and outlined the schedule of physics runs during period 6 (completed end of August) and period 7 (just begun). The ISRC was pleased to learn of another advance in ISR performance with the achievement of a luminosity of $1.4 \times 10^{31} \text{ cm}^{-2} \text{ s}^{-1}$. These beams had been left circulating for several hours and some of the experimental groups had taken data. An up-to-date list of approved ISR experiments was distributed to the Committee.
3. **Status of the Split-Field Magnet Facility**

The SFM Co-ordinator, W. Schmidt-Parzefall, reported on the present status of the SFM Facility which has been operating well and where several experiments have taken data during the year. The "central detectors" are being completed and should be installed this autumn. The multiplexer system, which will allow some parallel running of experiments, is installed and will be tried out soon.

In order to plan the future schedule for the SFM Facility, the Committee requests the groups of Experiment R 401 (CERN-Hamburg-Orsay-Vienna collaboration), Experiment R 406 (Bologna-CERN collaboration), and Experiment R 407/408 (CERN-Collège de France-Heidelberg-Karlsruhe collaboration) to present status reports and future plans at the Open Session of the next ISRC meeting.

The Committee also reminds all groups with approved SFM experiments that it would like to be informed in writing of any changes in equipment or physics aims for these experiments.

4. **Discussion on Proposals and Reports Presented at the Open Session**

The Committee expressed its appreciation to all the speakers who had contributed to the interesting Open Session.

(a) The Committee discussed the Request to Extend the Measurements of R 803 in Order to Study the Production of $\phi$ and $\Lambda$ at $\theta_{cm} = 90^\circ$, by the CERN-Scandinavian-Stony Brook collaboration [CERN/ISRC/74-34] but postponed a decision until its next meeting.

(b) The Committee confirmed its decision of the 47th Meeting [CERN/ISRC/74-22, item 5 (a)] that Experiment R 603 (UCLA-Saclay collaboration) should be completed at the end of the 8th period in 1974 (end of October) after which Experiment R 604 could start installation.

(c) The Committee confirmed, for the time being, the priorities for 1975 in Intersection I-8 established at its 49th Meeting [CERN/ISRC/74-32, items 4 (b) and 4 (e)].

5. **Discussion of New Proposals**

(a) The Committee took note of the Proposal to Extend the Objectives of the Experiment R 604 to a Search of Electrons and Muons Directly Produced in the Forward Direction: a Hunt for Charmed Particles, by the CERN-Harvard-Munich-Northernwestern-Riverside collaboration [CERN/ISRC/74-38] and requests the group to present this Proposal at the Open Session of the next ISRC meeting.
Other groups active in the ISR experimental program, who may be interested in looking for charmed particles in their experiments, are invited to comment briefly during the discussion following the presentation of this proposal.

(b) On the Request for Permission to Study Correlations Between two Photons Emitted 90° Apart in Azimuth, by the Pisa-Stony Brook collaboration (CERN/ISRC/74-41), the Committee recommends the approval of this extension of Experiment R 801 provided that it can be carried out in the time foreseen for completion of this experiment and provided that the change in equipment has the agreement of the other groups now taking data at Intersection I-8.

6. Next Meetings

The next meeting of the ISRC will be held on Wednesday, 23 October, with an Open Session at 9.30 a.m. in the CERN Council Chamber and a Closed Session at 2.30 p.m. in the ISR Conference Room.

Provisionally, the following meeting is scheduled for Wednesday, 11 December.

M.H. Blewett