



EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

MINUTES OF THE FORTY-NINTH MEETING

OF THE INTERSECTING STORAGE RINGS COMMITTEE

HELD ON 28 JUNE, 1974

OPEN SESSION

1. C. Rubbia gave a short report on the preparatory studies in progress for the Revised Proposal for a 4π -Detector to Investigate Multibody Events at the ISR (CERN-Genova-Harvard-Munich-UCR collaboration).
2. W. Willis gave a short report on the preparatory studies in progress for the Proposal for a Study of Large Transverse Momentum Phenomena (Brookhaven-CERN-Saclay-Syracuse-Yale collaboration). He also outlined a possible set up for testing some of the equipment.

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CLOSED SESSION

Present: H. Schopper (Chairman), M.G. Albrow (part time), M. Banner (part time), G. Bellettini (part time), M.H. Blewett, F. Bonaudi, A.B. Clegg, G. von Dardel, P. Falk-Vairant, K. Hübner, M. Jacob, F. Muller (part time), J.H. Mulvey, E. Picasso, W. Schnell, A.M. Wetherell (part time), E. Zavattini.

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

- Study of Large Transverse Momentum Phenomena, by the Brookhaven-CERN-Saclay-Syracuse-Yale collaboration, CERN/ISRC/74-28 (Add. 2 to CERN/ISRC/73-33).
- Memorandum on the Proposed Study of Diffractive Events in I-8, from the Stony Brook Group, CERN/ISRC/74-30.
- Memorandum on a Request to Run During Period 7, from the CERN-Columbia-Rockefeller-Saclay collaboration (Experiment R 105), CERN/ISRC/74-31 (Add. 4 to CERN/ISRC/72-13).

1. The Minutes of the forty-eighth meeting of the ISRC were approved.

2. Status Report

The ISR Co-ordinator, M.G. Albrow, outlined the present status of all experiments now taking data and the physics schedule for the coming period of operation. He mentioned that there had been some problems at intersection I-4 which may limit the usable beam currents for SFM experiments. The Committee requested the ISR Co-ordinator and the SFM Co-ordinator to examine the question of maximum usable luminosity for SFM experiments and to prepare a written report.

3. Scheduling

The Committee took note of the Memorandum on a Request to Run During Period 7 from the CERN-Columbia-Rockefeller-Saclay collaboration (CERN/ISRC/74-31) and recommends approval of an extension for Experiment R 105 through period 7 (end of September).

4. Discussion of Pending Proposals

(a) On the Revised Proposal for a 4π -Detector to Investigate Multibody Events at the ISR, by the CERN-Genova-Harvard-Munich-UCR collaboration (CERN/ISRC/72-32 Add. 3, Add. 4, and Add. 5), the Committee does not recommend approval of this experiment in the form presented in this Proposal.

(b) On the Proposal for a Study of Large Transverse Momentum Phenomena, by the Brookhaven-CERN-Saclay-Syracuse-Yale collaboration (CERN/ISRC/73-33, CERN/ISRC/74-21, and CERN/ISRC/74-23), the Committee recommends the installation in 1975 at intersection I-8 of two modules of the proposed system, for testing this equipment at the ISR. However, the installation should be such that it will not prevent essential testing during 1975 of some of the equipment for the already approved Experiment R 804 which is expected to commence at the beginning of 1976.

(c) On the Proposal for an Experiment on Single Diffractive Production, by the CERN-Pisa-Stony Brook collaboration (CERN/ISRC/74-9, CERN/ISRC/74-15, CERN/ISRC/74-23), the Committee does not recommend approval of this experiment at this time. However, it is anticipated that some members of the collaboration may join the experiment discussed in (d) below.

(d) On the Proposal for an Experiment on Diffractive Dissociation at Small Momentum Transfer, by the CERN-Holland-Manchester collaboration (CERN/ISRC/74-20, CERN/ISRC/74-24), the Committee recommends approval of this experiment for installation in 1975 at intersection I-2, with the understanding that the experiment will be completed by the end of 1975, and with the anticipation (as mentioned above) that some members of the collaboration mentioned in (c) will participate.

(e) On the Proposal to Measure the Ratio of the Real to the Imaginary Part of the Proton-Proton Strong Interaction Forward Scattering Amplitude at the Highest ISR Energies, by the CERN-Rome collaboration (CERN/ISRC/74-17), the Committee recommends approval of this experiment for installation in 1975 at intersection I-8, with the understanding that this experiment will be completed during 1975. It is also understood that, in case of conflicts of interest, this experiment will have priority in intersection I-8 during 1975.

5. Other Business

At its previous meeting, the ISRC had requested M.G. Albrow and F. Bonaudi to examine the possibilities for installing future experiments at the ISR intersections in the period 1975-1976, and F. Bonaudi reported the results. The Committee expressed appreciation for these studies which had been helpful in determining the location for the experiments recommended for approval and for installation in 1975. However, it was felt to be premature to make commitments for 1976 beyond those already made.

6. Next Meetings

There will be no meeting of the ISRC in July. Future meetings are scheduled for:

Wednesday, 14 August, 1974

Wednesday, 11 September, 1974.

M.H. Blewett