



EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

MINUTES OF THE FORTY-SIXTH MEETING

OF THE INTERSECTING STORAGE RINGS COMMITTEE

HELD ON 26 MARCH, 1974

Present: H. Schopper (Chairman), M.G. Albrow, M. Banner, G. Bellettini, M.H. Blewett, F. Bonaudi, A.B. Clegg, G. von Dardel, L. Di Lella (part time), P. Falk-Vairant, K. Hübner, M. Jacob, W. Jentschke (part time), E. Lohrmann, F. Müller, E. Picasso, W. Schmidt-Parzefall (part time), W. Schnell, A.M. Wetherell.

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

- Memorandum: Status Report of R 603 and Request for Continuation, from the R 603 collaboration, CERN/ISRC/74-8.
  - Memorandum: Scheduling of Experiment on Large Angle Elastic Scattering and on Related Processes, from the CERN-Harvard-Genova-Munich-Northwestern-UCR collaboration, CERN/ISRC/74-14 (Add. 1 to CERN/ISRC/74-3).
  - Proposal for an Experiment on Single Diffractive Production, by G. Bellettini et al., CERN-Pisa-Stony Brook collaboration, CERN/ISRC/74-15.
1. The Minutes of the forty-fifth meeting of the ISRC were approved.
  2. Status Report

The ISR Co-ordinator, M.G. Albrow, outlined the schedule for physics runs and described the status of all experiments now on the floor.

### 3. Schedule for Split-Field Magnet Facility

Following the request of the Committee at its last meeting, the SFM Co-ordinator, W. Schmidt-Parzefall, presented possible scheduling for the SFM facility for the second half of 1974 and beginning of 1975. After considerable discussion, the ISRC decided that the most effective use of the facility for the programme would be "version B".

In this schedule the main users in the second half of 1974 would be: R 401 and R 411 in periods 5, 6 and 10, R 407/R 408 in periods 7 and 8, and R 410 and R 412 sharing period 9 (in a ratio of about 80% to 20% respectively). Testing time for most of these experiments would also be available. With this schedule, it is expected that Experiment R 401 and R 411 would be finished by the end of 1974.

During the second half of 1974, testing of the detectors, R 403T, would continue. It is expected that the central detector will be completed and installed around September-October.

For Experiment R 406, some testing time will be available in the second half of 1974 and it is foreseen that it would be the main user of the facility in the first three periods of 1975 after the full installation of the experiment is completed during the year-end shutdown.

Scheduling of R 407/R 408, R 410, and R 412 in 1975 will be considered by the Committee at another meeting.

On the Memorandum: Request for Permission to Install R 413 in the Christmas Shutdown 1974, from the Liverpool-Orsay-Scandinavian collaboration (CERN/ISRC/74-10), G. von Dardel said that the group withdraws this Memorandum and is willing to follow the schedule of installation proposed by the ISR Experimental Support Group.

### 4. Item Pending from Previous Meetings

The Committee re-examined the Proposal for a Continuation with Increased Sensitivity of a Search for  $e^\pm$ ,  $e^+ e^-$  Pairs, High Transverse Momentum  $\pi^0$ 's, and Multiple Pion Correlations in Collisions with High Transverse Momentum, by the CERN-Columbia-Oxford-Rockefeller collaboration (CERN/ISRC/73-13, /73-13 Add. 1, and CERN/ISRC/74-5).

The possible effects of this experiment's solenoid magnet on the ISR were discussed by W. Schnell who expressed confidence that a luminosity of about  $5 \times 10^{30} \text{ cm}^{-2} \text{ s}^{-1}$ , at minimum, could be maintained with its use.

After further discussion on the Proposal, the Committee recommended its approval in principle, but with no commitment regarding its schedule or running time. The ISRC would appreciate receiving progress reports from time to time on equipment and tests.

5. Newly Received Proposals

- (a) The Committee took note of the Proposal for an Experiment on Single Diffractive Production, by the CERN-Pisa-Stony Brook collaboration (CERN/ISRC/74-15) and the previous Letter of Intent: A Study of the Reaction  $p + p = p + X$  at Small Momentum Transfers, by P. Strolin, CERN/ISRC/74-9). The ISRC requests the group to present this Proposal at the Open Session of its next meeting.
- (b) The Committee took note of the Memorandum: Request for Permission to Study the Production of Charged Particles at Large  $p_T$  in the 90° British-Scandinavian Spectrometer, and Correlated Event Topologies, from the British-Scandinavian and Pisa-Stony Brook Groups Working in I-8 (CERN/ISRC/74-12) and requests the groups to present this extension at the Open Session of the next ISRC meeting.

6. Discussion on Other Newly Received Documents

- (a) The Committee took note of the Status Report and Future Request from R 106 (Monopole Search), by the Bologna-Roma collaboration (CERN/ISRC/74-11) and was informed that the second stack of plastic detectors had been installed at intersection I-1, following the approval at the 42nd Meeting of the ISRC for the continuation of this experiment. Discussion of the approval for a third exposure in the second half of 1974 is postponed until a later meeting when the scheduling for this part of the year will be examined.
- (b) The Committee took note of the Memorandum: Status Report of R 603 and Request for Continuation, from the R 603 collaboration (CERN/ISRC/74-8). Waiting for clarification, the ISRC postponed further discussion until its next meeting.
- (c) The Committee took note of the Memorandum: Scheduling of Experiment on Large-Angle Elastic Scattering and on Related Processes, from the CERN-Harvard-Genova-Munich-Northwestern-UCR collaboration (CERN/ISRC/74-14) but postponed discussion until its next meeting.

7. Next Meetings

The next meeting of the ISRC will be:

Open Session - Wednesday, 17 April, 2:30 p.m.  
in the CERN Council Chamber

Closed Session - Thursday, 18 April, 2:30 p.m.  
in the ISR Conference Room

The following meeting is scheduled for Monday, 27 May.

M.H. Blewett