



25 February 1972

EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

DRAFT MINUTES OF THE TWENTY-SIXTH MEETING
OF THE INTERSECTING STORAGE RINGS COMMITTEE

HELD ON FEBRUARY 23, 1972

Present: B.P. Gregory (Chairman), J.S. Bell, G. Bellettini (part time), M.H. Blewett, F. Bonaudi, G. von Dardel, G. Finocchiaro (part time), E. Fischer, L. Foa (part time), G. Giacomelli, F.F. Heymann, K. Hübner, W. Jentschke, J. Lefrançois, E. Lillethun, E. Lohrmann, D. Morrison, E. Picasso, K. Potter, J. Prentki, L. Resegotti, H. Schopper, J. Steinberger, E. Zavattini.

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

- Memorandum on a Proposed Addition of Wire Proportional Chamber Arrays and Scintillation Hodoscopes in the I-1 Intersection Region, from the Brookhaven-Grumman-Rome collaboration, CERN/ISRC/70-19 Add. 2.
 - Report on the Exploratory Tests for a Search for Multigamma Events, presented at the ISRC Meeting of December 8, 1971, by Edoardo Amaldi.
 - Documents Received by ISRC During 1971, by M.H. Blewett, CERN/ISRC/72-2.
1. The Chairman of the ISRC welcomed the new members of the Committee: Dr. G. von Dardel, Dr. K. Hübner, and Dr. E. Zavattini, and added that Professor A.B. Clegg has accepted to serve on the Committee but is unable to be present now. The Chairman also thanked the outgoing members for their work with the Committee.
 2. The Draft Minutes of the Twenty-fifth Meeting of the ISRC were approved.
 3. Status Reports
 - (a) The ISR Co-ordinator, K. Potter, reviewed the present status of the experimental programme. He reported that, after some delay in delivery of protons from the CPS, the ISR had little difficulty in starting up after the long shutdown and, during the night of February 22/23, groups were again taking data.

- (b) At the request of the Committee, G. Bellettini reported on the present status of Experiment R 801 and outlined plans for the acquisition of data.

4. Experimental Vacuum Chambers in the ISR

E. Fischer reported to the Committee on the special vacuum chambers now installed at intersection regions, on the chamber planned for the Split-Field Magnet facility, and on developments now under way for experimental chambers of other materials and designs.

5. Discussion of Items Pending from Last ISRC Meeting

- (a) On the Proposal for Measurement of Neutron Production at Small Angles, by the CERN-Karlsruhe collaboration (CERN/ISRC/71-48), the Committee recommends acceptance of this experiment for installation at intersection I-4. However, the Committee reminds the group that the SFM Detector group has priority for its tests and schedule.
- (b) On the Proposal for Studies of Particle Production in the Forward Direction at the ISR, by the CERN-Rome collaboration (CERN/ISRC/71-41 and /71-41 Add.1), the Committee postponed action until the tests have been made on the ISR to determine the feasibility of the proposed modifications to the machine.

6. Discussion of Items Pending from Previous ISRC Meetings

- (a) The Committee took note that the Proposal for Measurements of Inelastic Proton Collisions with Large Energy Transfers at the ISR, by J.V. Allaby, et al, (CERN/ISRC/70-7 and /70-7 Add. 1), has now been withdrawn.
- (b) On the Proposal for a Search for Fractionally Charged Particles in Water Irradiated at the Intersecting Storage Rings, by G. von Dardel and S. Henning (CERN/ISRC/70-33 and /70-33 Add.1), the Committee heard a report on the present status and plans for installation from G. von Dardel but postponed further action.
- (c) On the Proposal for a Search for Dirac Magnetic Monopoles at the ISR with the Plastic-Detector Technique, by the Rome-Saclay-Strasbourg-Clermont Ferrand collaboration (CERN/ISRC/70-21 and /70-21 Add. 1), the Committee heard a report on the proposed design of the vacuum chamber and installation for this experiment from E. Fischer and F. Bonaudi.

After an examination of this design, and after further discussion, the Committee does not recommend acceptance of this Proposal.

7. Other Business

The Committee discussed the Memorandum on Proposed Addition of Wire Proportional Chamber Arrays and Scintillation Hodoscopes in the I-1 Intersection Region from the Brookhaven-Grumman-Rome collaboration (CERN/ISRC/70-19 Add. 2). It was felt that the exploratory tests being made by this group were not yet sufficiently far advanced that the ISRC can now consider these proposed additions.

8. Next Meetings

The next meeting of the ISRC will be held on 21 March, 1972.

Tentative dates for future meetings are: April 26 and May 24.

M.H. Blewett