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CERN/ISRC/72-11

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EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

DRAFT MINUTES OF THE TWENTY-EIGHTH MEETING

OF THE INTERSECTING STORAGE RINGS COMMITTEE

HELD ON APRIL 26, 1972

OPEN SESSION

1. A review, Physics with the ISR (based on reports given at the Oxford Conference), was presented by D. Morrison.
2. A status report on Experiment R 203, Production Spectra at Large Angles (Scandinavian and British collaborations), was given by G. Lynch.
3. A status report on Experiment R 204, Measurement of Particles with Large Transverse Momentum as a Search for the Intermediate Boson (British Universities collaboration), was given by S. Sharrock.
4. The future plans for Experiments R 203 and R 204 were presented by B. G. Duff.

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CLOSED SESSION

Present: B. P. Gregory (Chairman), J. S. Bell, M. H. Blewett, F. Bonaudi, A. B. Clegg, G. von Dardel, G. Giacomelli, K. Hübner, W. Jentschke, J. Lefrançois, 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: Progress Report for the First Quarter 1972 and Physics Program for R 602 (and including the paper "Small-Angle Proton-Proton Scattering at Very High Energies"), from the Aachen-CERN-Harvard-Genova-Torino collaboration, CERN/ISRC/69-19 Add. 6.
- Memorandum on Use of Lead-Glass Array Belonging to the Aachen-CERN-Torino Group, from the CERN-Columbia-Rockefeller collaboration, CERN/ISRC/69-43 Add. 3.

- Studies of Particle Production in the Forward Direction, by the CERN-Rome collaboration, CERN/ISRC/71-41 Add. 2.
- Proposal for Observation of High-Multiplicity Events at the ISR with Streamer Chambers in the Split-Field Magnet, by the Aachen-CERN-München collaboration, CERN/ISRC/71-46 Add. 1.
- Report for the ISRC on Future Plans for Experiments R 203 and R 204, by B. G. Duff on behalf of the British-Scandinavian collaborations, CERN/ISRC/72-10.
- Programme of Accepted Experiments, CERN Intersecting Storage Rings (April 1972), by K. M. Potter, ISR Co-ordinator, CERN/ISR/EXP/3.

1. The Draft Minutes of the Twenty-seventh Meeting of the ISRC were approved.

2. Status of ISR Experiments

- (a) The ISR Co-ordinator, K. Potter, reviewed the present status of the experimental programme. He raised certain questions on scheduling, including possible conflicts in PS ejection to ISR and the West Area. Discussion on this item was postponed until the next meeting.
- (b) In discussion on the status reports of Experiments R 203 and R 204, the Committee expressed its appreciation for the full, clear, yet concise presentations given at the Open Session.

The ISRC is not in disagreement with the general program outlined for these experiments (CERN/ISRC/72-10) but does not, at this time, wish to make any commitments about overall timetable. Arrangements for scheduling operation of the ISR at asymmetric energies will be discussed by the ISR Co-ordinator with the ISR Department and the experimental groups. The Committee felt that it was premature to discuss operation of the ISR at higher energies than are now available.

3. Budget Planning for ISR Program in 1974-1975

M. H. Blewett reviewed the discussions on budgetary planning for the ISR Program in 1974 and 1975 that have been held between the ISR Department and the NP Division, and in the Budget Analysis Committee.

On the possible options that might be included in this program, it was the consensus of the ISRC that more emphasis should be placed on improving the quality of the experiments (for example, through provision of further large facilities and higher machine luminosity) than in extending the number of experiments or increasing operating time.

Interest was also expressed in long-range research on accelerators and storage rings.

4. Pending Proposal

Since the modified arrangements for the Proposal for Studies of Particle Production in the Forward Direction at the ISR (CERN/ISRC/71-41, /71-41 Add. 1. and Add. 2) now appear to be technically feasible, the ISRC recommends acceptance of this proposal for installation at intersection region I-8.

However, the Committee would like to point out that this recommendation makes no commitment about the scheduling of this installation.

5. New Proposal

The Committee took note of the Proposal for Observation of High-Multiplicity Events at the ISR with Streamer Chambers in the Split-Field Magnet, by the Aachen-CERN-München collaboration (CERN/ISRC/71-46 Add. 1) and requests the group to present this proposal at the next Open Meeting of the ISRC.

6. Other Business

- (a) The Committee took note of the Memorandum on Use of Lead-Glass Array Belonging to the Aachen-CERN-Torino Group, from the CERN-Columbia-Rockefeller collaboration (CERN/ISRC/69-43 Add. 3).
- (b) The Committee also took note of the Memorandum: Progress Report for the First Quarter 1972 and Physics Program for R 602, from the Aachen-CERN-Harvard-Genova-Torino collaboration (CERN/ISRC/69-19 Add. 6) but did not have time to discuss it.

7. Next Meetings

For the next meeting of the ISRC, it is planned to hold an Open Session to hear reports on the status of the ISR and on the status and plans of Experiment R 601, together with the presentation of the new proposal mentioned above (item 5).

The next meeting of the ISRC will be held on Wednesday, 24 May, 1972:

Open Session - 9:30 a.m. in the CERN Auditorium

Closed Session - 2:30 p.m. in the ISR Conference Room

Tentatively, the following meeting of the ISRC will be held on 21 June, 1972.

M. H. Blewett