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CERN/ISRC/74-6

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EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

MINUTES OF THE FORTY-FOURTH MEETING

OF THE INTERSECTING STORAGE RINGS COMMITTEE

HELD ON 29 JANUARY, 1974

OPEN SESSION

A brief presentation was given by M. Banner of the Proposal for Study of Large Transverse Momentum Phenomena (Brookhaven-CERN-Saclay-Syracuse-Yale collaboration).

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CLOSED SESSION

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

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

- Documents Received by ISRC During 1973, CERN/ISRC/74-1.
- A Proposal to Upgrade the Elastic Scattering Setup in I-6 for a Further Investigation on the Elastic Scattering at Large Angles, Diffraction Dissociation and the Search for Some Non-Diffractive Quasi-Two-Body Processes, by the CERN-Harvard-Genova-Munich-Northwestern-Riverside collaboration, CERN/ISRC/74-3.
- Memorandum on Fast Forward Particles Produced at Large Angles in the SFM: Status Report, from the CERN-Collège de France-Heidelberg-Karlsruhe (R 407/408) collaboration, CERN/ISRC/74-4 (CERN/ISRC/73-29 Add. 1).

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

2. Status Report and Scheduling

- (a) The ISR Co-ordinator, M.G. Albrow, described the physics runs which had taken place during the last period of 1973, mentioning the last run of 58 hours (a record length). He also outlined the changes and installations taking place during the present shutdown of the ISR, and the scheduled runs at various energies for the first period of operation in 1974. An outline of the schedule for ISR experiments was distributed.
- (b) On the question of running the ISR at asymmetric energies, raised at the last ISRC meeting, Albrow said that one run of  $11 + 31$  GeV had been scheduled for the first period of 1974 and that this would probably satisfy the needs of Experiment R 201. Two further runs at asymmetric energies for Experiment R 206 could be scheduled in the second half of the year. The ISRC agreed with these proposals.

3. Program of the SFM Facility

- (a) The SFM Co-ordinator, W. Schmidt-Parzefall, reported on the SFM runs in period 9 and 10 of 1973, distributed an outline of the future schedule for SFM experiments, and discussed briefly the recent SFM Users meeting.
- (b) The Committee suggested that notice of the SFM Users meetings should be placed in the CERN Weekly Bulletin so that representatives of other ISR experimental teams could attend and benefit from these discussions.
- (c) The Committee would like to remind all the groups with accepted SFM experiments that computing facilities outside CERN should be used as much as possible for data analysis.
- (d) On the Addendum to Experiment R 401: Intention to Measure Diffractive Production in the Channel  $pp \rightarrow pp\pi^+\pi^-$  Using the Split-Field Magnet Detector, by the CERN-Hamburg-Orsay-Vienna collaboration (CERN/ISRC/69-14 Add. 4), the Committee was informed that no objection had been raised at the SFM Users meeting. This addition to R 401 is recommended for approval, with the provision that all data analysis, except for testing, should be done outside CERN.

(e) On the Memorandum on Request for Running Time for Experiment R 406 in 1974 and 1975, from the CERN-Bologna collaboration (CERN/ISRC/70-31 Add. 3), the Committee noted that this experiment is scheduled to be the main user of the SFM facility in period 4, in addition to testing in periods 1, 2 and 3. No decisions have yet been made about the SFM schedule past the end of June, 1974, but the Committee has taken note of the requests for Experiment R 406.

(f) On the Memorandum on Fast Forward Particles Produced at Large Angles in the SFM: Status Report, by the CERN-Collège de France-Heidelberg-Karlsruhe collaboration (CERN/ISRC/74-4), the Committee was informed that this information had been discussed at the November SFM Users meeting, with no objection. The addition of this trigger is recommended for approval, with the understanding that there is no additional running time needed for Experiment 407/408, and with the provision that no additional CERN computing time would be used beyond that already foreseen for this experiment.

4. Discussion of Proposal Presented at the Open Session

The Committee began discussion on the Proposal for Study of Large Transverse Momentum Phenomena, by the Brookhaven-CERN-Saclay-Syracuse-Yale collaboration (CERN/ISRC/73-33) but postponed any decision until a later meeting.

5. Newly Received Proposal

The Committee took note of the Proposal to Upgrade the Elastic Scattering Setup in I-6 for a Further Investigation on the Elastic Scattering at Large Angles, Diffraction Dissociation and the Search for Some Non-Diffractive Quasi-Two-Body Processes, by the CERN-Harvard-Genova-Munich-Northwestern-Riverside collaboration (CERN/ISRC/74-3) and requests the group to present this Proposal at the Open Session of its next meeting.

6. Item Pending from Last Meeting

The Committee noted and discussed the Memorandum on the Support to be Provided by CERN to ISR Experiment R 804, by E. Picasso and F. Bonaudi, sent to the NPRC and ISRC on 20 December, 1973.

7. Other Business

- (a) The Committee was informed that sections from the ISR vacuum chamber, which had been at intersection I-5 and removed during the present shutdown, had been given to the Bologna-CERN-Saclay-Rome collaboration of Experiment R 106 in order to search for magnetic monopoles. Another section had been sent to P. Eberhard, of the Lawrence Berkeley Laboratory, for the same purpose.
- (b) The Committee suggested that, at the Open Session of its next meeting, status reports should be presented on Experiment R 401 and Experiment R 603.
- (c) The Secretary of the ISRC informed the Committee that the collaborating groups of Experiment R 107 are now Brookhaven-Rome-Adelphi (previously Brookhaven-Rome-Grumman).

8. Next Meetings

The next meeting of the ISRC will be held on Monday, 25 February, 1974, (NOTE CHANGE IN DAY AND DATE), 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.

The following meeting is scheduled for Tuesday, 26 March, 1974.

M.H. Blewett