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CERN/ISRC/72-28

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Mr. Franco BONAUDI

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EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

DRAFT MINUTES OF THE THIRTY-SECOND MEETING  
OF THE INTERSECTING STORAGE RINGS COMMITTEE

HELD ON 18 OCTOBER, 1972

OPEN SESSION

1. A brief description of the Proposal on Double Isobar Production at I.S.R.: Study of the Reaction  $p+p \rightarrow (p\pi^+\pi^-) + (p\pi^+\pi^-)$  (Pavia-Princeton collaboration) was presented by G. Goggi.
2. An informal discussion was held on the ISR results presented at the 16th International Conference on High-Energy Physics, with B. P. Gregory acting as Moderator.

CLOSED SESSION

Present: B. P. Gregory (Chairman), M. H. Blewett, F. Bonaudi, A. B. Clegg, G. von Dardel, L. Di Lella, G. Giacomelli, K. Hübner, W. Jentschke, K. Johnsen, J. Lefrançois, E. Lohrmann, D. Morrison, E. Picasso, K. Potter, J. Prentki (part time), H. Schopper, J. Steinberger, K. Tittel, E. Zavattini.

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

- Memorandum on Status of ISR Experiment and Request for Permission to Add Some Equipment to the Apparatus, from the Pisa-Stony Brook collaboration, CERN/ISRC/69-12 Add. 2.
  - Memorandum on Status Report and Schedule from the Aachen-CERN-Harvard-Genova-Torino collaboration, CERN/ISRC/69-19 Add. 7.
  - Memorandum on Continuation of R 404T until the end of 1972, from the CERN-Hamburg-Vienna collaboration, CERN/ISRC/70-18 Add. 3.
  - Proposal to Search for Photons at the ISR in (a) the Low Energy Gamma Region and (b) the Visible Region, by P. Rice-Evans, CERN/ISRC/72-26.
1. The Draft Minutes of the Thirty-first Meeting of the ISRC were approved.
  2. The Chairman of the ISRC welcomed the incoming ISR Co-ordinator, L. Di Lella, and expressed the appreciation of himself and the Committee for the work of the outgoing Co-ordinator, K. Potter.

### 3. Status of the Present Program and Related Matters

- (a) The ISR Co-ordinator, K. Potter, reviewed recent progress on the ISR, mentioning that the luminosity has been increasing up to the region of  $2 \times 10^{30} \text{ cm}^{-2} \text{ sec}^{-1}$  with improved background conditions and lower decay rates. He also reported the present status of the experimental program.
- (b) The Committee discussed the letter from Experiment R 103 requesting further running time at 26 GeV before the experiment is completed at the end of November, and agreed that the request be granted if the ISR Co-ordinator can arrange the details of the schedule accordingly, after taking into account the needs of the other experiments.
- (c) The Committee urges experimental groups, asking for special requirements in schedule, to make their requests known as far in advance as possible.

A. B. Clegg voiced a warning that several experiments needed about equal running time at all energies and expressed the wish for some effort to increase the luminosity at 11.5 GeV.

- (d) In reply to the request from Experiment R 404T (CERN/ISRC/70-18 Add. 3) to continue running until the end of 1972 and for the addition of some extra equipment, the Committee agreed to this request with the understanding that there is no interference with the installations of the Split-Field Magnet facility nor with the testing of the SFM detectors.
- (e) The Committee took note of the Memorandum on Status Report and Schedule of Experiment R 602 (CERN/ISRC/69-19 Add. 7).
- (f) The Committee discussed the Memorandum from Experiment R 801 (CERN/ISRC/69-12 Add. 2) and agreed to the request for two additions to the equipment, namely, four sets of steel-lead sandwiches to act as photon converters and one (movable) optical spark chamber.

### 4. The Split-Field Magnet Facility

- (a) After the conclusion of the Open Session, members of the ISRC visited the laboratories of the Split-Field Magnet Detector group where G. Charpak, A. Minten, and others, explained details of the construction and assembly of the detection chambers, the associated electronics, and testing. The Committee expressed appreciation for this short tour.
- (b) The SFM Co-ordinator, K. Tittel, gave a brief report on the present status of the magnet, vacuum chamber, experiments' preparations, and developments in the computing programs, for the Split-Field Magnet facility.

5. Discussion on Proposal Presented at the Open Session

The ISRC recommends approval of the Proposal on Double Isobar Production at I.S.R.: Study of the Reaction  $p+p \rightarrow (p\pi^+\pi^-) + (p\pi^+\pi^-)$ , by the Pavia-Princeton collaboration (CERN/ISRC/72-23). However, as with the other experiments accepted for the SFM facility, this recommendation makes no commitment with respect to length of time or scheduling for this experiment.

6. Newly Received Proposal

The Committee took note of the Proposal to Search for Photons at the ISR in (a) the Low Energy Gamma Region and (b) the Visible Region, by P. Rice-Evans (CERN/ISRC/72-26).

7. Next Meeting

The next (closed) meeting of the ISRC will be held on Wednesday, 15 November, 1972 at 2.30 p.m.

At present, no meeting is foreseen for December.

M. H. Blewett