Mr. Franco BONAUDI

MINUTES OF THE THIRTY-EIGHTH MEETING
OF THE INTERSECTING STORAGE RINGS COMMITTEE
HELD ON 12 JUNE, 1973

OPEN SESSION

1. A brief description of the Proposal to Study Large Transverse Momentum Events Using the Split-Field Magnet Detector (Aachen-CERN-Munich collaboration) was presented by E. Williams.

2. A report on results from the Test Experiment R 104T, a Search for High-Energy Multigamma Events at the ISR (Brookhaven-Grumman-Rome collaboration) was presented by E. Amaldi. He stressed that this report was based on analysis of only a fraction of the data taken.

3. A brief description of the Proposal to Study the Inclusive Particle Production at Very Low $P_T$ and $x = 0$ (British-Scandinavian-M.I.T. collaboration) was presented by G. Jarlskog.

CLOSED SESSION


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

- Request for Permission to Install Additional External Detectors to the SFM-Magnet to Provide Selective Large $P_T$ Triggers for the Wide-Angle Correlation Experiment, by the MIT-Orsay-Scandinavian collaboration and University of Liverpool, CERN/ISRC/72-7 Add. 3.

1. The Draft Minutes of the thirty-seventh meeting of the ISRC were approved.
2. **Status Report**

In the absence of the ISR Co-ordinator, K. Potter reported on the status of installations taking place during the present shutdown of the ISR. The major item is the installation of the split-field magnet which is now in place at intersection 1-4, together with the four compensator magnets. The magnet will first be powered to half its maximum field, without beams in the ISR, during the short shutdown at the beginning of July. Tests with beams, at half-field, will be made later. It is expected that five detector chambers will be fully installed at the end of the present shutdown. Others will be installed during the shutdown planned for the end of July.

3. **Discussion of Proposals Presented at the Open Session**

(a) On the Proposal to Study Large Transverse Momentum Events Using the Split-Field-Magnet Detector, by the Aachen-CERN-Munich collaboration (CERN/ISRC/72-30 Add. 2), the Committee recommends its approval in principle but, as with other SFM experiments, makes no commitment with respect to scheduling or running time. There is also no commitment regarding use of CERN computing facilities.

The Committee was informed that Experiment R 409, a Minimum Bias Trigger Experiment Using the SFM to Study Typical Beam-Beam Events, by M. Breidenbach, et al., CERN, (CERN/ISRC/71-36) is now withdrawn.

(b) On the Proposal to Study the Inclusive Particle Production at Very Low P_t and x = 0, by the British-Scandinavian-M.I.T. collaboration (CERN/ISRC/73-11), the Committee postponed a decision until the next meeting awaiting further information, particularly with respect to the need for a special vacuum chamber.

4. **Items Pending from Previous Meetings**

(a) The ISRC expressed its appreciation for the report presented by E. Amaldi on results from the Test Experiment R 104T, a Search for High-Energy Multigamma Events at the ISR (Brookhaven-Grumman-Rome collaboration) and took note that these results were based on analysis of but a fraction of the data which had been obtained.

The Committee awaits with interest further information on results and would like to encourage the group to enlarge its comparison of this experiment's results with related data already obtained at other experiments at the ISR.
(b) On the Request for Permission to Add Equipment for Measuring $\sigma_T$ in a Way Free from any Luminosity Measurement, from the Pisa-Stony Brook collaboration (Experiment R 801), the Committee recommends approval with the understanding that the required change of vacuum pipe would be scheduled so as not to interfere with work already planned by the ISR Department.

5. Newly Received Proposal

The Committee took note of the Request for Permission to Install Additional External Detectors to the SFM-Magnet to Provide Selective Large $p_T$ Triggers for the Wide-Angle Correlation Experiment (R 410), by the MIT-Orsay-Scandinavian collaboration and the University of Liverpool (CERN/ISRC/72-7 Add. 3). Since this is an enlargement of scope of this experiment, the group is requested to present a brief report on this request at the next Open Session of the ISRC.

The Committee was informed that, for this part of Experiment R 410, the group from M.I.T. would not be participating but that a group from the University of Liverpool would join the collaboration. The ISRC requests a list of names of all those who would be participating in this part of the experiment, and would also like information concerning the expected rates of events.

6. Distribution of New Proposals and Other Documents to the ISRC

The Committee re-affirmed its often-expressed decision that no action will be taken on any proposals, or other requests, that are not distributed to ISRC members some time (preferably at least a week) before its meetings. Papers received on the day of a meeting will henceforth not be distributed until after the meeting.

7. Next Meetings

The next meeting of the ISRC will be held on Tuesday, 10 July, 1973, with an Open Session in the morning in the CERN Council Chamber and a Closed Session in the afternoon in the ISR Conference Room.

The following meeting of the ISRC is scheduled for Tuesday, 7 August, 1973.

It is expected that there will be no meeting of the ISRC in September.

M. H. Blewett