ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLEAIREF
CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

EIGHTY-SECOND SESSION OF THE COUNCIL
Geneva - 17 and 18 December 1986

RESOLUTION
ON THE
LAA PROGRAMME OF ACTIVITIES

The Council,

CONSIDERING its Resolution (CERN/1626) passed on 26 June 1986, and the letter from the Permanent Representative of Italy to the Director-General of CERN, dated 16 December 1986,

DECIDES:

In accordance with Article II.4 of the CERN basic Convention, dated 1st July 1953 as amended 17 January 1971, the LAA project is approved as "another CERN programme of activities", following the conditions laid down on pages 1, 2 and 3 of the present Resolution.

86/172/5/e
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I. INTRODUCTION

1. At its session held on 26 June 1986, Council examined the proposal made by the Italian Delegation to carry out at CERN a scientific and technical project called "LAA". On that occasion, it passed a Resolution (CERN/1626) expressing its interest and appreciation and asked for a further examination prior to making a final decision.

Since then, further studies have been undertaken and the project has been developed and updated by Professor A. Zichichi and his collaborators from many European laboratories including CERN.

The project, now in its final form, has been transmitted to CERN by the Italian Delegation along with a proposal that it be implemented at CERN according to the letter dated 16 December 1986 from the Permanent Representative of Italy to the Director-General of CERN. This letter emphasizes the importance of this project for European science and technology and states that CERN is the right place to carry it out.

II. IMPLEMENTATION OF THE PROJECT AS A CERN PROGRAMME OF ACTIVITIES

2. A means of implementing this project at CERN is contained in the CERN basic Convention (1), which sets out the possibility of establishing "another programme of activities" (referred to as a "supplementary programme" before the Convention was amended in 1971).

3. Article II.4 of the Convention enables CERN to execute, in addition to its basic programme, any other programme falling within the terms of its purposes. This type of programme is optional for the Member States (2) and requires approval by the Council by a two-thirds majority of all the Member States.

This provision also says that "in giving such approval the Council shall define the programme and this definition shall include those administrative, financial and other provisions necessary for the proper management of the programme."


(2) Article III.3.
III. PROGRAMME DEFINITION

AIM

4. The LAA Project (1) is the result of four years of research work done by a team comprising scientists from many European Laboratories. Their work was aimed at identifying the "up-like" or "down-like" nature of heavy-flavour states produced at SPS collider energies and they also looked into the possibility of studying, at extreme energies, the phenomenology of lepton-jet physics. In the meantime, interest for such research at higher energies at a future collider has developed.

This requires new experimental tools with resolution in space, time, energy and particle identification beyond those presently available. It therefore essentially consists of an intensive programme to develop new experimental technologies relating to detectors, and especially to tracking devices, to calorimetry and to handling of high rate (triggering and data processing).

This programme will involve the creation of new technologies, prototypes and developments relating to particle detection for new large accelerators.

It represents a unique opportunity for Europe to play a leading role in developing the advanced technology needed for high-energy physics in the future. It is open to all physicists and engineers who are interested in participating.

PARTICIPATION AND FINANCING

5. According to Articles III.3 and VII of the Convention, Italy has already stated its readiness to participate in this programme and will ensure its financing by providing a contribution of 30 billion Lire in addition to its normal annual contribution to CERN. Other Member States of CERN who are interested may join this programme.

6. Council can fix, in accordance with Article III.4 of the Convention, a minimum period of participation in this programme. This period will be five (5) years from the date of the approval by Council.

7. The cost of the programme is estimated to be about 37 200 000 Swiss francs.

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(1) See Document CERN/LAA/1.
8. The contribution referred to in paragraph 5 above shall be made in full, by one payment, after Council has given its approval and it will be transferred to a bank account to be used exclusively for the implementation of the LAA programme.

9. The accumulated interest on short-term deposits which CERN may obtain with the funds placed at its disposal to implement the LAA programme shall be credited to the LAA programme as a whole, in a separate account, and used according to the needs defined by the project leader.

EXECUTION OF THE PROGRAMME

10. The LAA project shall be carried out as "another CERN programme of activities", being a part of the CERN budget but distinct from the basic programme of activities. Professor A. Zichichi will be the project leader. It will be implemented on the CERN site and in collaboration with other interested laboratories in CERN Member States, in accordance with the CERN Rules and therefore under the authority of the Director-General.

11. The control and verification of the management and accounting of the funds allocated to the programme shall be carried out in accordance with the provisions of the Financial Rules and Regulations of CERN. The project leader will be given authority of signature for the two bank accounts mentioned in paragraphs 8 and 9 above.

12. The appointment of staff and the supply of materials and equipment required by the programme shall follow the CERN Staff and Financial Rules and Regulations, taking into consideration, however, the source of the financing for that programme.

13. A memorandum of understanding will be concluded between the Council Delegate of the Member State concerned and the Director-General of CERN relating to the conditions for the execution of the LAA programme, based on the principles set out in the decision of the Council.

DECISION

14. In accordance with Article II.4 of the Convention, the approval of this programme by Council requires the two-thirds majority of all the Member States.