CERN/SPSC/78-93
SPSC/P 42/Add.5/S
14 August 1978

ADDENDUM

to

THE PROPOSAL FOR THE EUROPEAN HYBRID SPECTROMETER

PART B: CHARGED PARTICLE IDENTIFICATION

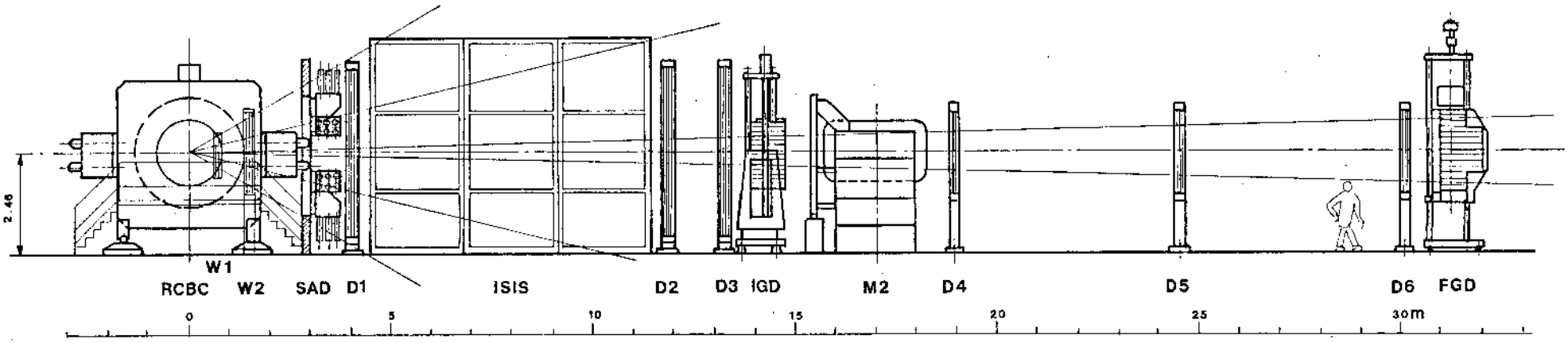
AACHEN[1]-BRUSSELS[2]-CERN[3]-MONS[4]-OXFORD[4]-RUTHERFORD[6]-STOCKHOLM[7]-COLLABORATION

W.W. Allison[5], M. Benot[3], C.B. Brooks[5], F. Bruyant[3], P. Carlson[3], M. Deutschmann[1], F. Etienne[3(*)], A. Ferrando[3(**)], C.M. Fisher[6], P. Herquet[4], K.E. Johansson[7(***)], J. Kesteman[4], L. Lyons[5], A. McPherson[6], L. Montanet[3], A. Poppleton[3], B. Powell[3], S. Reucroft[3(****)], W. Struczinski[1], S.P.K. Tavernier[2], F. Van den Bogaert[2(*****)].

SUMMARY

We present a description of the proposed first and second lever-arm charged particle identification for EHS. Particular attention has been paid to the performance characteristics as evaluated by Monte-Carlo simulation. The proposed time-scale and cost estimates, as well as the sharing of responsibilities between the various laboratories are described. A series of EHS notes give details on the detector design specifications and test results.

(*) On leave of absence from Centre de Recherches Nucl., Strasbourg.
(**) On leave of absence from Junta de Energia Nuclear, Madrid.
(***) CERN Fellow, on leave of absence from the University of Stockholm.
(****) Scientific Associate, on leave of absence from Vanderbilt University.
(*****) Also at the Universitaire Instelling, Antwerpen.



FIRST LEVER ARM

SECOND LEVER ARM

EHS GENERAL LAYOUT

Fig.2.1