

*Minutes of PS mini-technical meeting N° 68
held on 10th May 1995*

PS contribution to the new Isolde REX project

Présents: B.W. Allardyce, J. Boucheron, M. Bouthéon, I. Deloose, R. Garoby, J. Gruber, H. Haseroth, F. Perriollat, J.P. Riunaud, C. Serre, D.J. Simon, A. der Schueren, J. Tuyn (TIS), M. Vretenar, B. Williams,

C.C: Group Leaders not present.

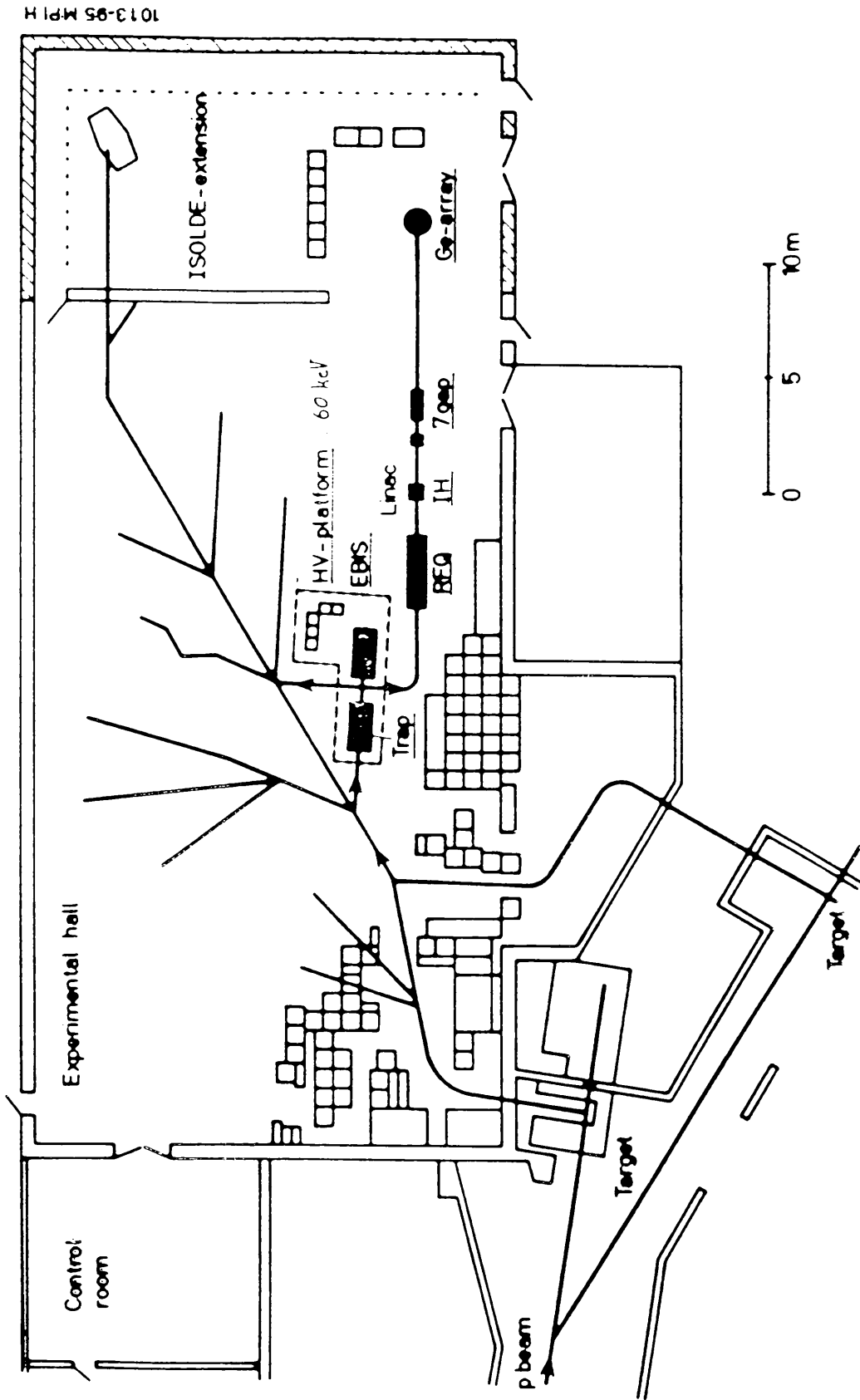
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1. A drawing of the REX layout was shown (see annex).
 2. B. Williams has a small exploitation budget for the expenses of running the Isolde experimental area, but it is clear this will not cover the installation work of REX, which must be paid for within the REX project. Co-ordination of the installation of REX equipment will be made by B. Williams and his team in PA group, in collaboration with A. van der Schueren, of HI group, who gained a wide experience of the installation of equipment very similar to REX during the Pb-ion project.
 3. PS Division cannot provide someone to take responsibility as Project Leader for REX.
 4. It was stressed that Isolde should be encouraged to appoint a GLIMOS as soon as possible.
 5. F. Perriollat explained that CO group advises Isolde to extend the existing Isolde PC control system to REX rather than to embark on a conversion to a new control system (based on a product such as LABVIEW), nor to go towards the UNIX control system of the PS. However, this will require the development of a protocol for the use of MIL I553 with PC's, which does not exist at present; this will be needed for the control of RF equipment for REX. It is proposed that I. Deloose, (aided probably by PS operators), will make the conceptual design of the extension

of the Isolde control system, will provide the MIL I553 protocol, and will continue in his present role as general controls adviser and trouble-shooter for particular problems at Isolde. The total time to be allocated to the REX system will be at most 9 man-months between now and the startup in early 1997. Thereafter the support of I. Deloose will return to the level of today. It is stressed that the REX task can only be accomplished if there is adequate manpower at a proper level from the Isolde side with whom the PS staff can interact. In addition PS re-iterates that the responsibility for application programs remains Isolde's.

6. R. Garoby presented what the RF group can offer. The need is to minimise involvement at the present time due to pressure of other work, but to ensure that REX is made in such a way that if it is hugely successful and later becomes a standard facility, it conforms to PS standards so that any future PS involvement in exploitation, repair or development would be feasible technically. M. Vretenar is to be the linkman for RF, and there should be an Isolde RF responsible person with whom he can interact. M. Vretenar will define the desirable standards (see PS/RF/Note 95-15) by participating in the detailed design of the RF, will supply all the information needed for building the low level RF modules (which could include receiving a visitor from one of the Isolde collaborating laboratories for an extended stay at CERN, involving a transfer of knowledge by participation in the PS-RF group's activities), and will give advice and help to Isolde (also during the exploitation phase, if the Isolde specialist is unable to solve the problem).
7. J. Boucheron mentioned that a GLIMOS is needed from Isolde as soon as possible as the planning of installation work requires decisions which can only be made by the GLIMOS. J. Tuyn said that there may be a problem of X-rays emitted by the RF cavities which may require shielding blocks, or local Pb shielding, but this needs discussion with the GLIMOS. In any case TIS will require radiation detectors to be installed by Isolde in the vicinity of REX.
8. It was noted that the TSO of the area where REX is installed is B. Williams, and the RSO is N. Chohan.

B.W. Allardyce

Lay-out of REX - ISOLDE



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