

NATIONAL INSTITUTE FOR RESEARCH IN NUCLEAR SCIENCE

GOVERNING BOARD

The Financing of University Experimental Work at the Rutherford Laboratory

Note by the Secretary

This note, based upon papers NI/58/19 and NI/58/15, is submitted as a record of the Board's decisions on the financing of University experimental work at the Rutherford Laboratory.

1. The Institute will provide, to the extent approved by the Director, Rutherford Laboratory, and without charge to the University:-
 - 1.1 Office and laboratory space for visiting teams.
 - 1.2 All standard pieces of equipment. In this context "standard equipment" includes photomultipliers, scalars, amplifiers, pulse amplitude analysers, power supplies, electronics testing and monitoring equipment, bending and focusing magnets, accelerator targets, and all items which can be considered to be of general use to teams using the accelerator.
 - 1.3 Any special items of purchased equipment which are considered to be of use to visiting teams only in connection with their work on the accelerator, and which can be supplied more efficiently through A.E.R.E. services than by the home University.
 - 1.4 Workshop effort and technical assistance, through A.E.R.E. services, for simple modifications and repairs to apparatus brought by visiting teams.
 - 1.5 Workshop effort and technical assistance, through A.E.R.E. services, for construction of apparatus required by visiting teams, which they cannot conveniently have made themselves.
 - 1.6 Consumable stores for maintenance and minor modification of apparatus used at the Rutherford Laboratory. For example, electronics stores, raw materials, solvents, photographic film.
 - 1.7 Any modifications to the accelerator required for any approved experiment.
 - 1.8 Transport, through A.E.R.E. services, for bringing apparatus to Harwell and returning it to the home laboratory. Transport for apparatus and staff on and around the Harwell site. Transport for visiting staff to and from the railway or bus station, and, when public transport is not available, to and from the home laboratory.
 - 1.9 Stationery, typing and other office facilities needed for work at the Rutherford Laboratory.
 - 1.10 Library facilities (through A.E.R.E.)
 - 1.11 Health and health physics services (through A.E.R.E.)

- 1.12 Ancillary staff for the use of visiting teams at the Rutherford Laboratory.
2. The Institute will provide, at standard charges to the individual:-
- 2.1 Residential accommodation for visitors when daily travel is not practicable, and, where necessary, transport between the place of accommodation and the Rutherford Laboratory.
3. The Institute will arrange agreements with Universities under which the Institute will pay (within agreed limits) for:-
- 3.1 Apparatus to be constructed in the university but to be retained by the National Institute.
- 3.2 Wages and salaries of mechanics and technicians required for this.
- 3.3 Salaries of technicians required to operate the equipment, where these cannot be provided by the Institute.
- 3.4 Travel of and subsistence at the Rutherford Laboratory.*
4. The University will provide, from its own funds or by seeking financial support from the D.S.I.R. or elsewhere:-
- 4.1 All non-standard equipment, i.e. equipment needed for a particular programme and not of general use at the Rutherford Laboratory, which is, however, of use by the home institution elsewhere. Examples would be special scintillators, ion chambers, etc., special amplifiers, scattering chambers designed for use with a number of accelerators.
- 4.2 Standard apparatus which is also needed for experiments at the home laboratory unconnected with the Institute, and which therefore is not available for general use at the Rutherford Laboratory.
- 4.3 Additional standard equipment, e.g. electronic units, when the Institute's normal stocks are inadequate for an unusual experiment.
5. The University will be responsible for the salaries of graduate research members of the visiting teams; where necessary the University will apply to the D.S.I.R. for financial support.
6. The experimental programme on the Institute's machines is the concern of the Director, Rutherford Laboratory, calling on the advice of the Visiting Committee of the Institute as required.

When, however, under the provisions of paragraph 4 or 5 above, the University wishes to apply to the D.S.I.R. for a grant, the proposal for its programme will subsequently be examined by a joint meeting of the Institute's Physics Committee and the Nuclear Physics Sub-Committee of the D.S.I.R.

*Extract from the Minutes of the Governing Board, 16th January, 1959:-

"Para. 3.4." (of paper NI/58/22) "provides for the inclusion in agreements of provision for repaying to the University the cost of travelling and subsistence which the University may pay to scientists, technicians, etc. going to the Rutherford Laboratory. Alternatively, however, such people may claim travelling and subsistence expenses directly from the Rutherford Laboratory and in many cases this may be the more convenient arrangement."