

PH III-68/68
15 October 1968

PHYSICS III COMMITTEE

M e m o r a n d u m

To : Physics III Committee, via Dr. A.J. Herz.

From : A. Kjelberg, Nuclear Chemistry Group

Re : SC time allocation to the NC Group (K on schedule)

I have been asked to clarify the system of time allocation to the NC Group over the last 5 years or so, namely $\frac{1}{2}$ shift per week.

This time has been used for probe and external beam bombardments of short duration, from a few minutes up to about 2 hrs, and includes the time necessary for setting up beams and for pumping etc.

Targets bombarded during this time is partly worked up in the Nuclear Chemistry lab, by staff and visitors, and partly sent on to outside laboratories. Over the last 3 years these have included laboratories in Aarhus, Bordeaux, Braunschweig, Copenhagen, Darmstadt, Karlsruhe, Marburg and Oslo.

These targets are used for nuclear reactions studies and for nuclear spectroscopy samples of half lives about 10 minutes and longer. The CERN off-line isotope separator is extensively used for these preparations. A considerable amount of the time has been spent on off-line investigations of target material and hardware for the ISOLDE project, including also here work performed in the mentioned outside laboratories.

It has been the tradition that the Nuclear Chemistry Group act as the contact to CERN for these investigations and for these laboratories. The time allocation of $\frac{1}{2}$ shift has been on the SC coordinator's discretion, and has as said included also the requests from the outside groups, except in a few cases when an extra $\frac{1}{2}$ shift has been allocated.

We are prepared to continue this form for arrangement with the outside groups, and propose that the time allocation of $\frac{1}{2}$ shift per week is prolonged also for the coming period. This will then also include the Nuclear Chemistry Groups own experiments

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