



UNITED STATES  
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION  
WASHINGTON, D.C. 20545

2/24/75

Dr. John Kirby-Smith, ADI&LL

RE ANL (MORTIMER ELKIND) PARTICIPATION IN RADIOBIOLOGICAL EVALUATION  
OF FERMILAB THERAPY FACILITY NEUTRON BEAM

This grant application to NIH is short and sweet (\$46,252) but covers the minimal necessary radiobiological tests for RBE and OER on cell cultures and possibly animal experiments that will be needed to compare this neutron beam with others currently used for cancer therapy. The early experiments may be confounded by the current lack of cell culture facilities at Fermilab, but this has been taken into consideration. This application is being submitted in conjunction with a larger application from Fermi National Accelerator Laboratory to NCI for funding Clinical Trials of Neutron Therapy for cancer patients. The principal investigator of the Fermi application (Dr. Lionel Cohen) feels that the ANL participation in both applications will be required to provide the needed Radiobiology before Clinical Trials are attempted. The total effort should be within the ability of Dr. Elkind's staff without detriment to ERDA programs.

CWZ

C. W. Edington, Associate Director  
for Research and Development  
Programs

REPOSITORY DOE RECORDS CENTER  
COLLECTION 7723 ASEV CENTRAL FILES - 1975  
BOX No. 6075  
FOLDER MH 5-21 BNL JAN-MAY-1975

4004753

