

UNIVERSITY OF CALIFORNIA  
LOS ALAMOS SCIENTIFIC LABORATORY  
(CONTRACT W-7405-ENG-36)  
P. O. Box 1663  
Los Alamos, New Mexico 87544

IN REPLY  
REFER TO: H-10

May 3, 1974

Dr. Max L. M. Boone, Ph.D., M.D.  
Radiation Oncology Center  
University of Arizona  
College of Medicine  
Tucson, Arizona 85724

*MES-200*

Dear Max,

With your indulgence, I would like to add a word or two to the discussions of your committee on the role of the calculations for pion radiotherapy.

As you know, at this time, we have essentially two approaches to the dose characteristics inside a phantom, the LET chamber and silicon detectors. Each of these methods has its own history and capabilities. Each of these methods is helped and supported by the calculations that Armstrong and Chandler have been making

Our biomedical beam line at Los Alamos was completed last week and I have taken several spectra of the beam using three silicon detectors of 10 microns, and 5000 microns mounted in one probe. The spectra looks ve good and it appears that we will get much of the information we will need to do good radiotherapy. However, to fully understand and appreciate the measurements, we need the calculations. I am encouraging Tony Armstrong in every way to continue the work. I can also tell you that Ed Knapp also thinks very highly of this work.

With best regards, I remain

Sincerely yours,

Chaim Richman  
Biophysics and Instrumentation

CR:hb

CY: Tony Armstrong  
Ed Knapp, MP-3

REPOSITORY LANL/RC  
COLLECTION Dir Cfr Files  
BOX No B-10, D-34  
FOLDER MES 200 1/74-8/74

*n*

FILE BARCODE  
  
00133097  
1088031

AN EQUAL OPPORTUNITY EMPLOYER

COPIED FOR  
00133097.001  
11/87