

Seville March 26th, 2014

To whom it may concern:

Re: NESCOFI project


It is my pleasure for me to write this letter to truly recommend this project for medical benefits.

NESCOFI achieved the stated targets on time and on budget. Looking from the point of view of the medical sector, where we are involved, we see important applications for the developed instruments. This is especially true for the present and coming years, due to the increasing interest of the medical community for the second cancers induced by neutrons in radiotherapy patients. The availability of real-time spectrometers, like those developed in the project, would allow to extensively map the oncology accelerator facilities, thus leading routine patient-risk assessment practices which will benefit a significant fraction of population. We recommend to specialize (maybe simplify, considering the reduced energy range of medical linacs) a version of SP² for the medical sector only.

Concerning in-phantom neutron evaluations, we tested the miniaturized thermal neutron detectors of type TNRD in our phantom NORMA, with promising results in terms of rapidity, accuracy and possibility to multiply the number of simultaneous measurement points.

I hope my letter will help you to take a decision. Please do not hesitate to contact me if you have further questions.

Yours Sincerely,



Prof. Dr. F. Sánchez Doblado
Chair Professor, Medical Physiology and Biophysics Department
Faculty of Medicine, University of Seville
Spain



DPTO DE FISILOGIA MEDICA
Y BIOFISICA
FACULTAD DE MEDICINA