IONIZATION CHAMBERS: electron dosimetry, x-ray dosimetry.

IPEN-DOC- 6036

BR9400005 **Development of high sensitivity LiF thermoluminescent dosimeters.**

Topic codes: I.

Principal Investigator: **Silva, T.M.** Instituto de Pesquisas Energeticas e Nucleares IPEN-CNEN/SP, Caixa Postal 11049, CEP 05422-970 San Paulo, SP Brazil.

Telephone: x-0055-11-211-6011.

Facsimile: x-0055-11-212-3546.

Other Investigators: Campos, L.L.

Sponsoring Organization(s): Instituto de Pesquisas Energeticas e Nucleares IPEN-CNEN/SP (San Paulo, SP-Brazil).

Organization Type: Foundation or laboratory for research and/or development

Program Duration:

From 1993.08

To 1996.08

Status of Advancement: Research in progress.

INIS categories: E41.10

This work is intended to develop national technology for the production of high sensitivity lithium fluoride thermoluminescent dosemeters. The main topics to be studied are the determination of impurity concentrations, phosphor sensitivity, thermoluminescent characteristics and supralinearity of the produced material.

impurities; lithium fluorides; performance testing; sensitivity; thermoluminescent dosemeters.

THERMOLUMINESCENT DOSEMETERS: lithium fluorides, performance testing.

IPEN-DOC- 6035