

# IPEN-DOC -

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BR9400006 Filtered neutron beams in the IEA-R1 reactor. ✓

Topic codes: I.

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

Program Duration:

From 1993.01

To (Not provided)

Status of Advancement: Research in progress.

References of recent publications in the same field issued from this laboratory:

Dias M.S.: Improvements in the response calculation of the dual thin scintillator neutron detector, Nucl. Instr. Meth. in Phys. Research, A 321, (1992), 317.

INIS categories: G36.10

Filtered neutron beams are being developed in the IEA-R1 research reactor, Sao Paulo, for producing quasi-monoenergetic neutrons of 24 KeV and 144 KeV. Several filter combinations using the presence of other undesired neutron energies. Proton recoil and BF<sub>3</sub> proportional counters are used for neutron fluence and spectra determination.

*filters: ieap-1 reactor; kev range; neutron beams; neutron fluence; neutron spectra.*

NEUTRON BEAMS: kev range.