

ELECTROPHYSICAL COMPLEX FOR NEUTRON THERAPY



Special box for neutron therapy

Areas of Application

The complex is designed to generate neutrons for implementing the cutting edge methods of cancer treatment based on the interaction of radiation-sensitive drugs and neutrons – nuclear capture therapy. These methods cannot be realized unless there is sophisticated and unique nuclear physics equipment

Specification

The complex is based on four powerful electrophysical devices of INR, which are capable of generating neutron fluxes having various density and energy, depending on the needs of advanced nuclear medicine. About 600 patients annually can be treated using this complex



Cyclotron neutron generator

Advantages

There are no counterparts in Ukraine. The complex has as good performance as the advanced foreign neutron therapy devices

IPR Protection
IPR1

Stage of Development.
Suggestion for Commercialization
IRL5, TRL5
Neutron therapy of malignant neoplasms

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