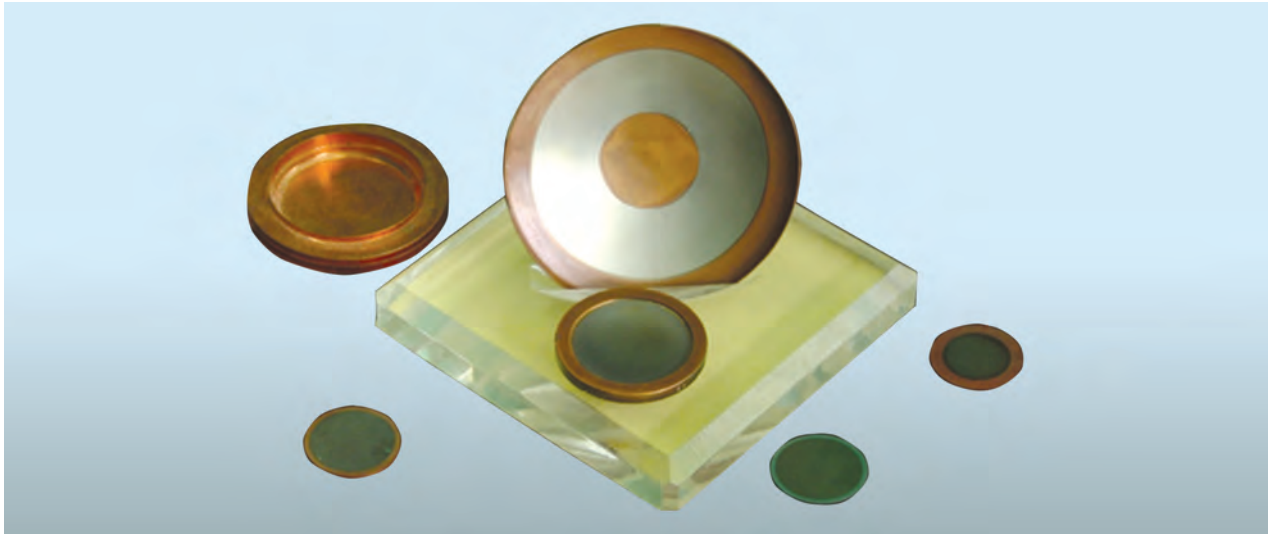


UNIFIED SETS OF MT AND MD TRITIUM AND DEUTERIUM TARGETS



Areas of Application

The devices are designed to obtain neutron fluxes in accelerators of charged particles

Advantages

The targets have as good physical and technical parameters as the best world counterparts and are much cheaper as compared with them

Stage of Development. Suggestions for Commercialization

IRL6, TRL8
Manufacture, delivery, warranty service, and staff training, upon request

Specification

	Norm	
Sorbent surface mass density, mg/cm ²	0.25 ± 0.025	
	0.50 ± 0.050	
	1.00 ± 0.100	
	2.00 ± 0.200	
	3.00 ± 0.300	
Tritium specific activity in the active part of sorbents, GBq/mg (Ci/mg):		
	Titan	39.257 ± 5.587 (1.061 ± 0.151)
	Scandium	41.829 ± 5.939 (1.131 ± 0.161)
	Zirconium	20.646 ± 2.886 (0.558 ± 0.078)
Gaseous deuterium volume absorbed per sorbent mass unit, cm ³ /mg:		
	Titan	0.410 ± 0.0583
	Scandium	0.435 ± 0.0620
	Zirconium	0.215 ± 0.0301

IPR Protection

IPR3

Contact Information

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