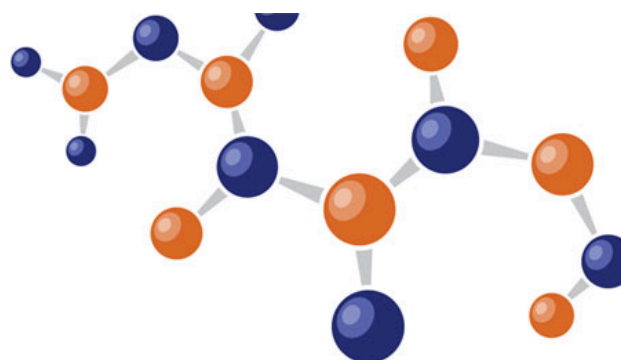






**EDUCATION &
OPPORTUNITY**
IN RADWASTE MANAGEMENT
A NON-PROFIT ORGANIZATION




Track 1 - Crosscutting Policies and Programs

Determination of Ni-63 on Filters Cartridges of Water Purification System of IPEN Research Reactor IEA-R1

 Mon, February
27

 EX Hall - Student Poster
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 Student Poster
Competition

Part of:

040 Posters: Student Competition: Future Industry Leaders of Tomorrow (1.2a)

Info

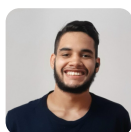
Select a Track:

Track 1

Presentation Summary:

The Nuclear and Energy Research Institute (IPEN - CNEN/SP), has an open pool-type reactor that generates radioactive waste from the purification system of the cooling water, as resins, charcoal and filter cartridges. These wastes must be properly characterized before their treatment. The objective of this work is to describe one step of the characterization which is the radiochemical analysis of Ni-63 present in the filter cartridges. Ni-93 is one of the main radionuclides present. Based on the chemical recovery results obtained, it is possible to state that the method is valid for the determination of 63 Ni.

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