

Our services

## GAMMA AND X SPECTROMETRY

« A laboratory to identify the radiation left behind as a signature »

### Identification of radionuclides

low resolution GeHP detectors, X-ray spectrometry chain, low background noise and spectral signature

### Environmental monitoring

radiological cleanliness of effluents, soils, sediments, plants

### Characterization of waste

medical sector or nuclear industry, discharge of liquid effluents, determination of IRAS

Nuclear decays are often accompanied by the emission of de-excitation gamma radiation from the daughter nucleus. It can also result in an electronic rearrangement on the atomic scale, responsible for the emission of X-rays. Their energies are characteristic of the emitting radionuclide.

By tracking them by X or gamma spectrometry, ATRON Metrology enables the identification of emitting radionuclides and the determination of the activity concentration of the sample, liquid or solid, at thresholds as low as a few Bq/kg.

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