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Main activities and responsibilities

- Developing and applying methods for non-destructive assay in the field of safeguards and illicit trafficking of nuclear materials, including determination of nuclear material content of
 - fresh and spent reactor fuel
 - radioisotopic neutron sources (e. g. PuBe)
 - other materials of unknown origin,

using passive methods:

- gamma spectrometry
- total, coincidence, and delayed neutron counting
- gross gamma monitoring
- bubble detectors, solid state nuclear track detectors, etc.

and active interrogation techniques, applying radioisotopic neutron sources and linac-produced photoneutrons;