

Detection for Nuclear Nonproliferation Group

We're looking for talented and motivated students who are interested in research in the areas of:

- Radiation detection and characterization
- Radiation detector response modeling
- Monte Carlo simulations and code development
- Measurements using state-of-the-art radiation detectors
- Source identification algorithm development



Please contact us for additional information!

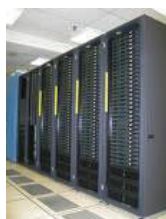
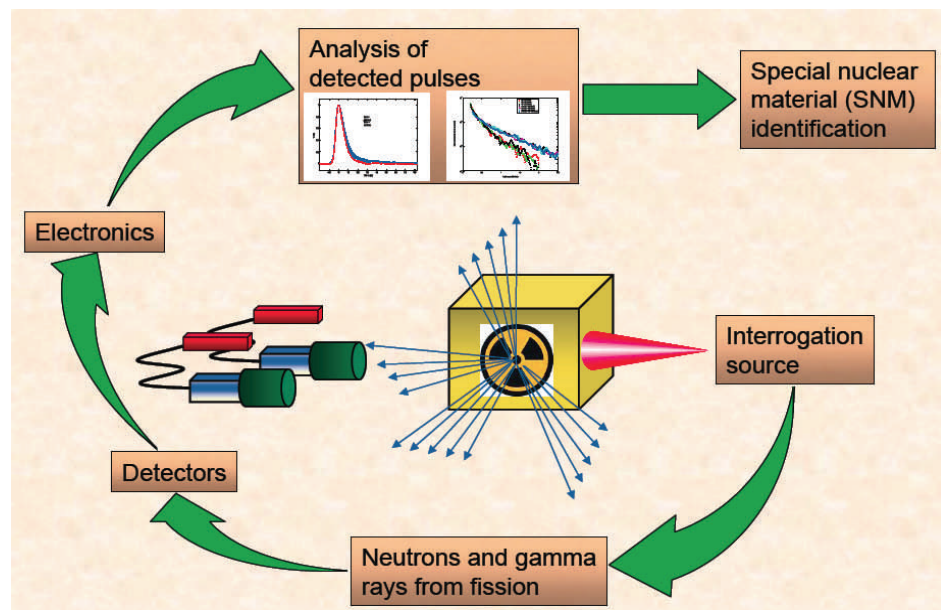
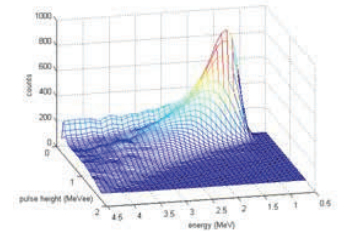
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"... Today, the gravest danger in the war on terror, the gravest danger facing America and the world is outlaw regimes that seek and possess nuclear, chemical and biological weapons ..."

-President George W. Bush, 2003 State of the Union Address

The primary goal of our research is the advancement of technologies to combat the proliferation of nuclear weapons and associated materials. We are also interested in applications such as nuclear medicine, imaging, and reactor fuel analysis.



The performance assessment of existing techniques—and the development of new, more advanced ones—rely on accurate simulation of realistic threat scenarios. We rely on the use of Monte Carlo and analytical methods to investigate the physics of detection.

