**Massachusetts Institute of Technology**

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Dear colleague,

The Group of Applied Nuclear Physics at Massachusetts Institute of Technology is inviting applications for a researcher position at the level of a postdoctoral fellow or a research scientist. We are a multidisciplinary group performing technical research in support of international security. Problems under investigation include the detection of nuclear materials in the flow of commerce, nuclear detection in public spaces, and nuclear techniques for treaty monitoring and arms control verification. More information about the team and the research program can be found here.

**Responsibilities**

The research fellow will work with faculty and graduate students in building experiments, doing simulations and data analysis, and developing detectors. The researcher will further be encouraged to develop and propose ideas of their own.

**Qualifications**

The ideal candidate should have the following background and qualifications:

- PhD in experimental nuclear physics, particle physics, nuclear engineering, or a related field.
- An interest in nuclear physics applications towards societal problems
- Strong computational skills (e.g. C/C++, python, etc.) in a Linux/Unix based environment Extensive experience performing data analysis and MC simulations. Experience with digital data acquisition systems is a plus.
- Familiarity with standard methods of nuclear radiation detection

**Duration:** up to three years, to be renewed yearly based on mutual interest and availability of funds.

**How to Apply**

The applicants should submit a cover letter, a CV (with a publication list), and 3 names/contacts of references to aregjan@mit.edu.