ACCELERATOR SEMINAR

“Medical Isotope Crisis and What Has Been Done To Solve It”

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Technetium-99m is the most widely used radiotracer for diagnoses throughout the world. Tc-99m is derived from the decay of $^{99}$Mo which has been extracted from $^{235}$U targets irradiated in reactors. With the anticipated imminent closures of several reactors used to produce the $^{99}$Mo concerns about a possible shortage of supply have become a major concern in the health sector. A number of solutions have been proposed ranging from the construction of new reactors, to refurbishing existing reactors, to the use of different kinds of accelerators to supply either $^{99}$Mo or $^{99m}$Tc directly. This talk will focus on the approaches based on accelerators.

Thursday, May 8, 2014
11:00 a.m.
CEBAF Center Auditorium

Coffee before seminar at 10:45 a.m.