



Radioisotope Production at SNS (RIPS) Workshop

September 27-28

Oak Ridge National Laboratory

Workshop Objectives:

- 1) Define some unique, desirable radioisotopes that can be produced using high-energy protons incident upon various spallation targets.
- 2) Determine how we can effectively isolate/separate the desired radionuclide(s).
 - a) On-line mass separation?
 - b) Bulk post-irradiation chemical and mass separation?
- 3) Identify the most challenging technological implementations and roadblocks.
 - a) What are the target technology limitations?
 - b) What is the target technical readiness?
 - c) What target materials would be interesting in terms of production with either protons or neutrons and post-irradiation handling?
- 4) Consider the regulatory aspects/challenges of adding isotope production to a facility (SNS) regulated by the Accelerator order.

