

An Overview of United States Department of Energy Tritium Activities

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The United States (US) has a variety of research programs which involve the use of tritium. The technical areas of the various research programs include production, shipping, storage, separation and purification, effects on materials, and facility safety as well as others. US research in tritium is conducted at universities and government laboratories. Many programs are focused on fusion energy research. Other programs deal with recovery of Helium-3, the product of tritium decay, for use in yet other research programs or for nuclear safeguards and nuclear nonproliferation. This talk will provide a broad overview of US tritium activities, many of which will be discussed in greater detail in subsequent presentations at the conference.