

# Seminar in Physics

Friday, Jan. 18

3:30 - 4:25

Ross 0220

## A Plan for Handling Externally Contaminated Livestock

**Dr. Thomas Johnson**

**Environmental and Radiological Health Sciences, CSU**

Nuclear accidents and access to radiological weapons for terrorist organizations and countries with hostile intentions towards the United States are realistic scenarios in the current global landscape. A dispersion of radionuclides can result from a nuclear weapon detonation or from a nuclear accident occurring in facilities handling or using radioactive material, such as nuclear power reactors. Any target of a radiological dispersal device (RDD) or an attack with a nuclear weapon and the surrounding area of a reactor accident could result in a significant amount of fallout and radioactive contamination. Therefore, a nuclear event in close proximity to agricultural areas will cause significant concern regarding the contamination of food products. This talk will discuss salvagability of livestock and some preliminary results of different decontamination methods.