

X-RAY SCIENCE DIVISION

431/Z031

Facility Hazard Analysis

The purpose of this form is to serve as a summary of facility characteristics, recognized hazards, implemented hazard controls, pertinent sources of information, and incident reporting contacts.

Scope of work conducted in this facility: cryogenic detector testing with pulse tube cooler and superconducting magnetic cooling (ADR); X-ray detector testing and minor repairs; computer software and hardware maintenance; thin film deposition

Hazardous materials/equipment associated with this facility:

Oscilloscopes	Meters	Sealed radioactive sources
Computers	Power supplies	Network Analyzer
Electronics soldering station	Superconducting Magnet (4Telsa)	Microwave Signal Generator
Compressed gases	Helium Compressor (Pulse Tube Cryocooler)	

Hazards associated with this facility:

High voltage (typically enclosed)

Hazard controls implemented within this facility:

Engineered Controls	Procedural Controls	PPE
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Relevant ESH manual chapters that may be associated with this facility:

- 1) LMS-PROC-171 - Accountability and Control of Sealed Radioactive Sources
- 2) LMS-PROC-153 - Safe Use of Hand Tools and Portable Power Tools
- 3) ESH-9.1 - Electrical Safety Program - General Electrical Safety
- 4) ESH-13.2 - Pressure Safety - Compressed Gas Cylinders

Pertinent safety training courses that may be associated with this facility:

- 1) ESH 377: Electrical Safety Awareness

Note: This is not intended to be an all-inclusive list of training that is required to work within this facility. The authoritative record of required training is depicted by the individual's JHQ.

Incident reporting contacts:

****Dial 911 in an emergency****

Lab Safety Captain:	Thomas Cecil	2-9775
Group Leader:	Antonino Miceli	2-8827
ES&H Coordinator:	Paul Rossi	2-4192

Facility hazard analysis completed by: _____
Lab Safety Captain or designee Date

Reviewed and approved by: _____
ES&H Coordinator Date

_____ Date
Line Management

This hazard analysis must be reviewed and updated whenever conditions change. Once approved, this hazard analysis must then be posted in a conspicuous space within the facility.