

# Task Hazard Analysis (THA) Worksheet

(See [ES&H Manual Chapter 3210 Appendix T1](#)  
[Work Planning, Control, and Authorization Procedure](#))

Click

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Complete all information. Use as many sheets as necessary

<b>Task Title:</b>	Hall A Compton Polarimeter Commissioning and Operation			<b>Task Location:</b>	Hall A	
<b>Division:</b>	Physics	<b>Department:</b>	Hall A		<b>Frequency of use:</b>	

<b>Lead Worker:</b>	
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<b>Mitigation already in place:</b> <a href="#">Standard Protecting Measures</a> <a href="#">Work Control Documents</a>	Engineered Controls: Plexiglas cover on high current magnet electrical connections. Magnet power supplies have their electrical connections secured inside a cabinet. Laser hut to enclose and isolate laser radiation. Work Control Documents: Laser Standard Operating Procedure PHY-13-009-LSOP for laser workers.
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	Task Steps/Potential Hazards	<a href="#">Consequence Level</a>	<a href="#">Probability Level</a>	<a href="#">Risk Code</a> (before mitigation)	Proposed Mitigation (Required for <a href="#">Risk Code</a> >2)	Safety Procedures/ Practices/Controls/Training	<a href="#">Risk Code</a> (after mitigation)
	Bellows and windows in the beam line and detector chamber vacuum system	M	L	1	Use acoustic earmuffs and safety glasses when working near these bellows and windows		N
	Detector High Voltage (HV up to 3 kV)	M	L	1	Turn off HV channel before connecting or disconnecting HV to the detectors.		N
	Magnetic field effect on individuals with electronic or medical devices or implants	M	M	3	Warning signs indicating the presence of magnetic fields larger than 5 Gauss inside Hall A posted all entry points.		N
	Laser radiation of class IIIB or higher, with the potential for eye injury, skin burns, or fire	M	M	3	Laser trained workers must wear appropriate protective eyewear and follow LSOP procedure PHY-13-009-LSOP. All other workers must disable the laser with Lock and Tag on the laser power supply.		N

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Highest [Risk Code](#) before Mitigation:

3

Highest [Risk Code](#) after Mitigation:

N

When completed, if the analysis indicates that the [Risk Code](#) before mitigation for any steps is “medium” or higher ( $RC \geq 3$ ), then a formal [Work Control Document](#) (WCD) is developed for the task. Attach this completed Task Hazard Analysis Worksheet. Have the package reviewed and approved prior to beginning work. (See [ES&H Manual Chapter 3310 Operational Safety Procedure Program](#).)

## Form Revision Summary

**Revision 0.1 – 06/19/12** - Triennial Review. Update to format.

**Revision 0.0 – 10/05/09** – Written to document current laboratory operational procedure.

ISSUING AUTHORITY	FORM TECHNICAL POINT-OF-CONTACT	APPROVAL DATE	EXPIRATION DATE	REV.
ESH&Q Division	<a href="#">Harry Fanning</a>	06/19/12	06/19/15	0.1

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