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|  | [**Task Hazard Analysis**](https://www.jlab.org/ehs/ehsmanual/Glossary.htm#THADef) **(THA) Worksheet**  **(See** [**ES&H Manual Chapter 3210 Appendix T1**](http://www.jlab.org/ehs/ehsmanual/3210T1.htm)  [**Work Planning, Control, and Authorization Procedure**](http://www.jlab.org/ehs/ehsmanual/3210T1.htm)**)** | **Click**  For Word Doc |
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| **Author:** | Sirish Nanda | | | | | **Date:** | | November 27, 2013 | | | **Task #:**  **If applicable** |  |
| **Complete all information. Use as many sheets as necessary** | | | | | | | | | | | | |
| **Task Title:** | | Hall A Compton Polarimeter Commissioning and Operation | | | | | | | **Task Location:** | Hall A | | |
| **Division:** | | Physics | | | **Department:** | | Hall A | | | **Frequency of use:** | |  |
| **Lead Worker:** | | |  | | | | | | | | | |
| **Mitigation already in place:**  [**Standard Protecting Measures**](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#SPMDef)  [**Work Control Documents**](http://www.jlab.org/ehs/workcontrol.html) | | | | 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. | | | | | | | | |

|  | **Task Steps/Potential Hazards** | [**Consequence Level**](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#ConsequenceLevel) | [**Probability Level**](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#ProbabilityLevel) | [**Risk Code**](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#RCDef) **(before mitigation)** | **Proposed Mitigation**  **(Required for** [**Risk Code**](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#RCDef) **>2)** | **Safety Procedures/ Practices/Controls/Training** | [**Risk Code**](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#RCDef)  **(after mitigation** |
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|  | 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**](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#RCDef) **before Mitigation:** | 3 | **Highest** [**Risk Code**](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#RCDef) **after Mitigation:** | N |

When completed, if the analysis indicates that the [Risk Code](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#RCDef) before mitigation for any steps is “medium” or higher (RC≥3), then a formal [Work Control Document](http://www.jlab.org/ehs/ehsmanual/Glossary.htm#WCDDef) (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](http://www.jlab.org/ehs/ehsmanual/manual/3310.html).)

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| **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 | [Harry Fanning](mailto:fanning@jlab.org?subject=ESH%20Manual%20Chapter%203210%20Appendix%201%20THA%20Form) | 06/19/12 | 06/19/15 | 0.1 |  |   ***This document is controlled as an on line file. It may be printed but the print copy is not a controlled document. It is the user’s responsibility to ensure that the document is the same revision as the current on line file. This copy was printed on 12/3/2013.*** |