

Task Hazard Analysis (THA) Worksheet

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

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For Word

Author:	Marc McMullen	Date:	Nov 11, 2016	Task #: If applicable	
Complete all information. Use as many sheets as necessary					
Task Title:	Assembly of the RICH Detector			Task Location:	EEL 124
Division:	Physics	Department:	Hall B	Frequency of use:	1
Lead Worker:	Sahin Arslan				
Mitigation already in place: Standard Protecting Measures Work Control Documents					

Sequence of Task Steps	Task Steps/Potential Hazards	Consequence Level	Probability Level	Risk Code (before mitigation)	Proposed Mitigation (Required for Risk Code >2)	Safety Procedures/ Practices/Controls/Training	Risk Code (after mitigation)
1	Uncrating and Staging parts and materials/ Heavy lifting	M	M	3	All components > 40lbs will be lifted mechanically with the gantry crane or genie lift.	Trained JLab crane operator to perform all lifts.	2
2	Assembling components/Heavy lifting	M	M	3	All components > 40lbs will be lifted mechanically with the gantry crane or genie lift.	Trained JLab crane operator to perform all lifts.	2
3	Assembly of detector/Pinch points.	L	M	1			1
4	Lifting detector assembly to verticle position/Heavy lifting	H	L	3	The detector will be lifted using a double geared winch, and rated straps. The task has been tested at INFN.	Trained JLab rigger will oversee operation. Equipment specific training of winch operation will be conducted prior to work. All jlab safety protocols will be adhered too. Standard PPE to be worn.	1

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Sequence of Task Steps	Task Steps/Potential Hazards	<u>Consequence Level</u>	<u>Probability Level</u>	<u>Risk Code</u> (before mitigation)	Proposed Mitigation (Required for <u>Risk Code</u> >2)	Safety Procedures/ Practices/Controls/Training	<u>Risk Code</u> (after mitigation)
5	Work above 4'/Falling	M	L	2		All work above 4' will be done using a single man lift, by a qualified operator.	2

Highest <u>Risk Code</u> before Mitigation:	3	Highest <u>Risk Code</u> after Mitigation:	2
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When completed, if the analysis indicates that the Risk Code before mitigation for any steps is “medium” or higher (RC≥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](#).)

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Form Revision Summary

Periodic Review – 08/13/15 – No changes per TPOC

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	TECHNICAL POINT-OF-CONTACT	APPROVAL DATE	REVIEW DATE	REV.
ESH&Q Division	Harry Fanning	08/13/15	08/13/18	0.1

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For questions or comments regarding this form contact the Technical Point-of-Contact [Harry Fanning](#)

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