

Task Hazard Analysis (THA) Worksheet

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

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Author:	Maurizio Ungaro	Date:	January 5, 2017	Task #: If applicable	
Complete all information. Use as many sheets as necessary					
Task Title:	CLAS12 Low-Threshold Cherenkov Counter (LTCC) System	Task Location:	Hall-B		
Division:	Physics	Department:	Hall-B	Frequency of use:	Continuously
Lead Worker:					
Mitigation already in place: Standard Protecting Measures Work Control Documents	All workers on the LTCC system must complete SAF111 (Hall B safety training)				

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	Energize LTCC HVs (2000 V @ 500 uA max V/I settings) - possible exposure to high voltage	M	L	2		SHV cables terminated properly at voltage supply; supply properly grounds to racks	1
2	Servicing detector components – man-lift or ladder access, potential fall hazards	H	M	3		Harness training, man-lift training, ladder training, fall protection training	1
3	Gas Flow / Gas System Maintenance.	L	L	1		Gas is not flammable, class 0 system. LTCC Gas Manual and the Hall B Gas Controls Manual.	N
4	Gas Pressure	L	L	1		Detectors pressure and vacuum is limited to a maximum of 4"wc by the Bubbler pressure relief units.	N

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Highest [Risk Code](#) before Mitigation:

3

Highest [Risk Code](#) after Mitigation:

1

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](#).)

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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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