

# 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

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<b>Complete all information. Use as many sheets as necessary</b>					
<b>Task Title:</b>	CLAS12 Low-Threshold Cherenkov Counter (LTCC) System	<b>Task Location:</b>	Hall-B		
<b>Division:</b>	Physics	<b>Department:</b>	Hall-B	<b>Frequency of use:</b>	Continuously
<b>Lead Worker:</b>					
<b>Mitigation already in place:</b> <a href="#">Standard Protecting Measures</a> <a href="#">Work Control Documents</a>	All workers on the LTCC system must complete SAF111 (Hall B safety training)				

Sequence of Task Steps	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)
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	0
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:

Highest [Risk Code](#) after Mitigation:

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	<a href="#">Harry Fanning</a>	08/13/15	08/13/18	0.1

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