

## 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

<b>Author:</b>	Stepan Stepanyan	<b>Date:</b>	August 17 2016	<b>Task #:</b> If applicable	
Complete all information. Use as many sheets as necessary					
<b>Task Title:</b>	CLAS12 Electromagnetic Calorimeter (EC) 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 EC 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 EC HVPS (-2500 V @ 500 uA max V/I settings) - possible exposure to high voltage	M	L	2		SHV cables terminated properly at voltage divider and supply; supply properly grounds to racks	0
2	Servicing detector components – manlift or ladder access, potential fall hazards	H	M	3	A harness must be used for manlift operations or on ladders where a fall of more than 4 ft. may occur.	Harness training, manlift training, ladder training, fall protection training	1
3	Servicing cables below floor gratings. Potential fall hazard due to grating removal.	L	M	2		Warning cones, signs and ropes to identify and isolate areas with removed floor gratings.	1

Highest Risk Code before Mitigation:	3	Highest Risk Code after Mitigation:	1
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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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For questions or comments regarding this form contact the Technical Point-of-Contact [Harry Fanning](#)

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