

Beamline Hazard Analysis - Beamline U4A

LS-BHA-U4A

Revision: 03

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The following tasks are included in the beamline safety review. Any operations not listed here, or performed by others than those listed, need additional review by ES&H personnel and/or beamline personnel.

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Tasks / Equipment	Performed by:		Controls
	Beamline Staff	Users	
Using the LN2 Fill Station or pressurized transfer	Y	Y	<ul style="list-style-type: none"> • LS-PROC-LN2FILL-MANL training for fill station • Use full face shield along with goggles or safety glasses • Long pants and sleeves - avoid clothing which can trap cryogenes (pockets, cuffs) • Cryogen or heavy gloves • Enclosed shoes
Liquid helium transfer	Y	Y	<ul style="list-style-type: none"> • Use full face shield along with goggles or safety glasses • Long pants and sleeves - avoid clothing which can trap cryogenes (pockets, cuffs) • Cryogen or heavy gloves • Enclosed shoes • Use guidance/checklist from PRM 5.1.0
Class 2/3a laser	Y	N	<ul style="list-style-type: none"> • Laser registration, warning signs
Ergonomics concerns – pinch points/sharp edges	Y	Y	<ul style="list-style-type: none"> • Warning signs • Training
High temperature	Y	Y	<ul style="list-style-type: none"> • BLOSA Training
Working at heights	Y	Y	<ul style="list-style-type: none"> • Be aware of body posture, training
Visible light	Y	Y	<ul style="list-style-type: none"> • Covers • Warning signs • Training
Cutting/razor blades	Y	Y	<ul style="list-style-type: none"> • Be aware of hand positioning • Use safety knife when possible • Consider using cut resistant gloves for frequent cutting tasks