

<b>U5UA SAFETY CHECKLIST</b>			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
<b>Rev: C</b>	<b>Effective: 5/24/07</b>	<b>Page 1 of 1</b>	Number: LS-SCL- 0072
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**\_\_\_ A. FRONT END VACUUM**

With the Mask closed, or no beam in the machine, pressure must be  $2.0 \times 10^{-9}$  Torr or less.

**\_\_\_ B. BEAMLINE ISOLATION VALVES**

All beamline isolation valves (for endstation #1: V1A-V6A; for endstation #2: V1A-V9A) must be unsealed and in the open position.

**\_\_\_ C. BEAMLINE INTERLOCKS**

The beamline user Interlock must be in the "Enable" state.

**\_\_\_ D. NUMBERED CHECKPOINTS**

The following checkpoints start at the Front End. The purpose of the list is to ensure that all shielding and exclusion zones are in place and secured. Refer to U5UA Beamline Shielding Schematic SLS-0-5.04-008-5 Rev. A.

- \_\_\_ 1. BREMSSTRAHLUNG SHIELDING BS# 1 (In place and secure as per photo)**
- \_\_\_ 2. BREMSSTRAHLUNG SHIELDING BS# 2 (In place and secure as per photo)**
- \_\_\_ 3. BREMSSTRAHLUNG SECONDARY SHIELDING BSS# 1 (In place and secure)**  
[65"×24"×24" enclosure consisting of 1/4" Pb sheet on sides and top, plus an extra 1/4" Pb sheet on the downstream end. In addition, inside this enclosure are: 1/8" thick Pb sheet on downstream side of M0A chamber and a 4" thick×16" wide stack of Pb bricks downstream of the M0A chamber]
- \_\_\_ 4. BREMSSTRAHLUNG SHIELDING BS# 3 (In place and secure as per photo)**

**\_\_\_ E. SAFETY BARRIER AROUND ENDSTATION #2**

Safety barrier around the downstream end of Endstation #2 must be in place, unless no equipment exists in the floor space that protrudes into the original walkway.

OPCO / Beamline Rep.: \_\_\_\_\_ Date: \_\_\_\_\_