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| FRIB Tour Safety Checklist |
| Primary Tour Guide: Tour Group: Date: |
| Tour Type (Please circle): Business-Related Educational WCP-ID: |
| Tour Route Stops (please circle): Front End (1633) Rack Room (1624) Target Facility (B605) \*Linac Tunnel (SB608)  Cryo Control Room (2616) Commissioning Control Room (Trailer #9) |
| Operating Conditions Attended Details Initials |
| 8:00 am NSCL Coordination |  |  |  |  |  |  |
| 8:10 am FRIB Commissioning |  |  |  |  |  |  |
| Hazards Acceptable Details Initials |
| Ambient Conditions* Ventilation and temperature
* Sound level
* Lighting
* Temperature extremes
* Oxygen Deficiency Hazards
 |  |  |  |
| Material Handling* Bridge crane operating
* Overhead work
* Forklift use
* Bulk material handling
* Overloaded storage spaces/racks

\*Unsafe or unstable storage |  |  |  |
| Electrical and Stored Energy Safety* Open energized electrical enclosures
* Magnetic field hazards
 |  |  |  |
| Housekeeping* Floor damage or openings
* Egress path obstructions
* Aisle widths adequate (>36”)
* Liquid or material spills
* Clutter - tripping hazard
 |  |  |  |
| Physical Hazards* Unguarded accessible moving parts
* Construction related work
 |  |  |  |
| Fall Protection* Overhead openings - dropped materials
* Lack of guardrails
* Open stairs
 |  |  |  |
| Emergency Response\*Egress path blocked |  |  |  |
| Chemical Safety* Open flammable or toxic materials
* Is there appropriate warning signage for areas containing chemicals?
 |  |  |  |
| Radiation Safety\* Measured exposure rates along the tour route must be low enough to ensure that a dose of no more than 2 mrem in an hour will be obtained. Exposure rates less than 2 mR/hour will ensure this (this assumes the tour lasts less than an hour). Use an Ion Chamber from the cabinet near control room.Model number: Serial number:Background reading: mR/hr |  |  |  |

**\*Linac Tunnel (S608) – Deputy Laboratory Director approval required** \_\_\_\_\_\_\_\_

**\*Linac Tunnel (S608) – Complete FRIB Tunnel Tour Checklist (T30102-FM-000231)**

Tour escorts are to ensure that participants:

* Wear appropriate PPE (vest, safety glasses, hard hat)
* Are briefed on compliance to safety, egress, and video/photo postings
* Remain in your sight for the duration of the tour

**Primary Tour Guide Signature:­­­­­­­­­­­­­­­­**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_