

Abstract Submitted
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Improved Interlock System at the Nuclear Structure Lab at Univ. of Notre Dame¹ XAO LOR, SHELLY LESHER, University of Wisconsin-La Crosse, ED STECH, University of Notre Dame, UNIVERSITY OF WISCONSIN-LA CROSSE COLLABORATION, UNIVERSITY OF NOTRE DAME COLLABORATION — The current interlock system at the Nuclear Structure Lab (NSL) at the University of Notre Dame requires multiple procedures to be performed in order to start up one of the three accelerators. New features and equipment will be added to the current interlock system to allow access into the experimental rooms safely. This change is necessary because the planned addition of experimental equipment will allow beams from two accelerators to enter the same target hall. In order to minimize the impact of one experiment on another, access will be determined by active monitoring of the radiation levels in the rooms instead of the possibility of accelerated beam being present. New equipment planned to be used in the laboratory are personal dosimeter badges, with a monitor reader for a pass-by data exchange and monitor screens to display live radiation levels and access levels in all of the experimental rooms. This poster will present this procedure and explain how personnel can access the NSL rooms safely while the ion beams are on.

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