

- (a) Instrumentation, readouts, and controls on the particle accelerator control console shall be clearly identified and easily discernible.
- (b) All entrances into a target room or other high radiation area shall conform to the requirements of Rule .1601 of this Chapter.
- (c) When an interlock system has been tripped, it shall only be possible to resume operation of the accelerator by manually resetting the interlock that has been tripped.
- (d) Each safety interlock shall operate independently of all other safety interlocks.
- (e) All safety interlocks shall be fail-safe, meaning that safety interlocks are designed so that any defect or component failure in the interlock system prevents operation of the accelerator.
- (f) A "Scram button" or other emergency power cut-off switch shall be located and easily identifiable in all high radiation areas and at the control console. Such a cut-off switch shall include a manual reset so that the accelerator cannot be restarted from the accelerator control console without first manually resetting the cut-off switch.

*History Note: Authority G.S. 104E-7;
Eff. February 1, 1980;
Amended Eff. January 1, 1994;
Transferred and Recodified from 15A NCAC 11 .0906 Eff. February 1, 2015;
Readopted Eff. October 1, 2025.*