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Wed-Mo-Po3.03-03 [19]: Alarm and interlock system in cryogenic system of EAST

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EAST (Experimental Advanced Superconducting Tokamak) has been carried out fourteenth campaigns since its implementation at the end of 2005. The cryogenic system is one important subsystem which is to cool down the superconducting magnets and relating components. Alarm and interlock system ensure the reliability and safety of cryogenic system. This paper presents the overview of the alarm and interlock system, especially in quench protection in cryogenic system of EAST. At same time, the operational performance has been analyzed with further purpose to improve the cryogenic system reliability so as to guarantee the success of high performance plasma experiments in future.

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