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Steady-State Operation Control of EAST ECRH System

In order to realize the 1000s long pulse operation of the ECRH (Electron Cyclotron Resonance Heating) system on EAST (Experimental Advanced Superconducting Tokamak), we developed an ECRH steady-state operation control system. Four working modes were designed, namely manual restart mode, automatic restart mode, timed alternate operation mode, and protection trigger alternate operation mode. The NI CRIO and its components were used as the lower computer, and the LabVIEW was used to write the program of the upper computer. The system has a quick response and accurate timing sequence, and can realize the long-pulse steady-state operation of the ECRH system.

Minioral

No

IEEE Member

Yes

Are you a student?

No

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