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PROGRAM MANAGER FOR DC-280 CYCLOTRON CONTROL SYSTEM

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March 25, 2019 the experimental hall of the Superheavy Elements Factory (SHE) was opened at the FLNR JINR and its basic facility –the DC-280 cyclotron was launched. The control system software of DC-280 is based on NI LabVIEW platform with the Datalogging and Supervisory Control (DSC) module. It consists of many software programs that perform corresponding tasks: device drivers, alarms monitor, beam diagnostics, user interfacing, etc. The Program Manager was developed to supervise running processes and inform operator in case of failures. The control of new version and updating of the software modules are implemented. This paper describes the algorithm and user interface of the Program Manager.

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