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ESIS ions injection, holding and extraction control system

During the work on the creation of a new Electron String Ion Source (ESIS) for the NICA/MPD project several electronic modules were created.

Modules includes pulsed HV (+3 kV) potential barriers formation modules used to hold ions, HV (+3 kV) ion extraction module and several secondary modules. Modules development process and test results are discribed.

Primary author: Mr PONKIN, Dmitriy (LHEP JINR)

Co-author: Mr DONETS, Denis (LHEP JINR)

Presenter: Mr PONKIN, Dmitriy (LHEP JINR)

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