

Welcome to NICA days 2019 and IVth MPD Collaboration Meeting in Warsaw



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Fire extinguishing unit software development for the Slow Control system of the MPD-ToF detector

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Software development for a fire-protection units of the Slow Control System was set as a part of the RACK infrastructure modernization at Veksler and Baldin Laboratory of High Energy Physics of the Joint Institute for Nuclear Research. The main goal of the system, as any other fire-extinguishing systems, is to protect health and life of people and to preserve the equipment inside the RACK's cabinets. Therefore, a fire protection system should work in conjunction with an automatic gas fire suppression system.

Additionally, the system should be easy to setup and be as unnoticeable as possible during the working conditions of the amenity. It should not cause additional hazards. It is desirable for it to be easy both to install and configure, while keeping the overall costs reasonable.

The software for 2 generations of FRS-RACK extinguishing modules had been designed using the development environment LabVIEW 2016. Software is intended to read the data from the sensors of the Firesi FRS-RACK and its visualization.

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