

Monitoring system of the stand "Power amplifiers of the harmonic station of the NICA collider"

Monday 30 October 2023 21:45 (15 minutes)

The report is devoted to the development and implementation of a monitoring system for the stand of amplifiers of the harmonic station of the second type - HF2. The monitoring system presented in this report has been developed to ensure continuous monitoring and control of the operation of the bench amplifiers. It includes sensors, software with a warning system about possible failures or anomalies in the operation of amplifiers. This system allows bench operators to reliably monitor the performance and condition of amplifiers, reducing the risk of accidents and ensuring uninterrupted operation of the complex. In the future, it is planned to expand this software to complete control of the state of all amplifying equipment of the harmonic stations of the NICA collider.

Primary author: KARPUK, Alexandr

Co-authors: Mr MALYSHEV, Alexander (JINR); Mr KONDAKOV, Alexey (BINP SB RAS); Mr MOROZOV, Dmitry (JINR); Mr YABLOCHKIN, Michael (JINR); Mr BROVKO, Oleg (JINR); Ms MOROZOVA, Victoria (JINR)

Presenter: KARPUK, Alexandr

Session Classification: In-person poster session & welcome drinks

Track Classification: Particle Accelerators and Nuclear Reactors