

## **REPORT**

on the “Linear electron accelerator LINAC-200 as a core for a new test beam facility  
at DLNP JINR”

The linear electron accelerator LINAC-200 that is prepared for commissioning and start-up in 2025 in the Laboratory of Nuclear Problems will open new ways for multi-uses thus having broad spectrum of scientific, methodological, applied and educational tasks. The facility is built on the base of the reconstructed MEA accelerator transferred to JINR from the National Institute for Subatomic Physics (NIKHEF, the Netherlands). I hope we will learn from the presentation about the key improvements and new modernizations made in order to meet the expected research tasks on LINAC-200.

I think that a very positive part of this project would be the inclusion of the established already new scientific collaboration FLAP (Collaboration on Fundamental and Applied Physics on Linear Accelerators). As I know, the FLAP is a young international collaboration, which is created especially for this unique JINR facility. From one side, it is expected that the cooperation in the field of fundamental and applied physics of linear accelerators will develop and, from another side, this collaboration will actively promote new opportunities for teaching young people who can participate in real scientific tasks. Moreover, the FLAP collaboration program has been approved by the JINR PAC for Particle Physics.

It is reported that the creation of all kind of systems was completed. The beam absorbers were designed and installed in the accelerator hall. The documentation required for commissioning of this facility is being completed. These facts make me confident that the LINAC-200 linear electron accelerator is ready to start in 2025 and support on behalf of the JINR PAC for Nuclear Physics is necessary.