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Development of the signal synchronization system of injection complex NICA

The paper deals with creation the first prototype of the new signal synchronization system of the injection complex.

The text describes a new scheme for the collection and distribution of signals needed to synchronize many devices of the linear accelerators HILac and new LiLac.

Much attention is given to problems of the development of electronic equipment. The following modules are considered in the text: optical system and infrastructure, pulse-forming block, interface submodules, synchro-controllers.

It should be stressed that the signal synchronization system in association with white rabbit technology will be the basis for creating the global timing system of the injection complex NICA.

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