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About the Role of Injections Timing of an Electron Beam into the Accelerating Structure of the LUE-200 Accelerator when Using an RF Power Compression System

The results of measurements of the energy characteristics of the electron beam with a change in the time of beam injection into the accelerating structure of the LUE-200 accelerator - the driver of the IREN facility, a pulsed photoneutron source of the Joint Institute for Nuclear Research (Dubna) are presented. It is shown that when using a microwave power compression system of the SLED type, the choice of the moment of beam injection into the accelerating structure is an important means for forming and optimizing acceleration modes.

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