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The recent results on linear accelerator of Siberian Ring Synchrotron Light Source (SKIF)

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The 4th generation synchrotron light source is under construction in Budker Institute of Nuclear Physics. The first stage of the linear accelerator is under tests now. The aim of the experiments is to obtain a beam with emittance, charge and energy spread corresponding to the demands of injection into the booster of storage ring. Only one of five accelerating structures is applied in these experiments, and beam energy is reduced to 50 MeV in comparison with complete energy of 200 MeV. The status of the installation and achieved beam parameters are presented.

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