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## **Accelerator operation performance during the NSC KIPT SCA neutron source physical start up**

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To ensure physical start up of NSC KIPT SCA Neutron Source, 100 MeV/ 100 kW electron linear accelerator should provide stable operation mode with 100 MeV electron beam energy, 20 Hz repetition rate, 35-40 mA pulse beam current,  $\pm 3$  beam energy spread and about  $\pm 3$  mm beam sizes. During preparations to the facility start up the required beam parameters were adjusted and secured during the SCA facility start up. The accelerator showed stable operation performance.

The procedure of the accelerator stable operation mode tuning, adjustment secure during the whole period of the facility physical start up are described in the paper.

### **Funding Agency**

### **Footnotes**

### **I have read and accept the Privacy Policy Statement**

Yes

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