



***NATIONAL RESEARCH NUCLEAR UNIVERSITY
(aka Moscow Engineering Physics Institute)***

Moscow, Russia

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Expertise in RF

Simulations and low-power measurements of all RF parameters from DC to 6 GHz.

accelerating structures development at S-(2856MHz) and C-(5712MHz) bands (S-band : routine full R&D&production program together with industrial partners).
Machinery and production of copper/st.steel pieces - eg. as prototypes and substrate plates for further deposition).
Vacuum brazing and EBW facilities.

Expertise in materials science

On-site:

scanning electron microscopy, scanning probe microscopy, X-ray photon spectroscopy XPS, Ultraviolet photoelectron spectroscopy UPS, ion scattering spectroscopy ISS, atomic emission spectroscopy AES, x-ray diffraction analysis

Interest in SRF technology

Today there is no project based on SC cavities (Nb-deposited film) technology in Russia.

Looking at the development of accelerating technologies we suppose that SC RF cavities produced using film deposition technology are very promising.

We estimate the possible access to collaboration expertise as an important assistance in future projects.

In this respect hopefully we could contribute to the collaboration.