

#	EQUIPMENT	pcs	Requested KIPT department(s)	KIPT contact persons of request
1	Facility for Rockwell and Superficial testing LECO LR310 or similar.	1	Department of Physics of radiation phenomena and radiation material science	Galyna Tolstolutska gtolst2019@ukr.net,
2	Sectioning machine LECO MSX250 or similar	1	Department of Physics of radiation phenomena and radiation material	Galyna Tolstolutska, gtolst2019@ukr.net
3	Contact profilometer (Hommel-Tester T800)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
4	Scratch tester (Revetest Scratch tester CSEM)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
5	Ball-on-disc tribometer (Anton Paar THT)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
6	Crater-grinding method (Anton Paar CATc)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
7	NanoScope Analysis software and the applied function "Particle Analysis"	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
8	TORUS® Linear Sputtering Magnetron (Kurt J. Lesker, Model 6" Wide)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
9	TRUPLASMA DC 3010 G1 10kW DC POWER SUPPLY 400V 3PH (Kurt J. Lesker)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
10	1500 Watt DC Power Supply PD500X3 (Kurt J. Lesker)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
11	IMPULSE™ - 2kW High Power IMPULSE Supply With Integrated Positive Kick™ (Kurt J. Lesker)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
12	Rotary vacuum pump Edwards E2M80	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
13	Edwards Diffstak Series (Water Cooled) Diffusion Pump 250/2000C	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
14	Capacitance Manometers - Baratron Gauge (Kurt J. Lesker)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
15	KJLC® Cold Cathode/ Pirani Combination Gauges (Kurt J. Lesker or Edwards)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua

16	SNAP Pressure Controller (Kurt J. Lesker or Edwards)	1	Laboratory for ion-plasma treatment of materials	O.S. Kuprin, e-mail: kuprin@kipt.kharkov.ua
17	Setup for X-ray phase and structural analysis, Bruker (USA) or analogues	1	Department "Ion-plasma surface treatment of structural materials"	Sergii Fomin, e-mail: sfomin@kipt.kharkov.ua
18	Powder X-ray diffraction diffractometer, Smart Lab SE with DSC options and optics of Rigaku (Japan) or analogues	1	Department "Ion-plasma surface treatment of structural materials"	Sergii Fomin, e-mail: sfomin@kipt.kharkov.ua
19	X-ray fluorescence spectrometer, EDX 8100 Shimadzu or analogues	1	Department "Ion-plasma surface treatment of structural materials"	Sergii Fomin, e-mail: sfomin@kipt.kharkov.ua
20	Micro-XRF spectrometer, Bruker M4 Tornado Plus or analogues	1	Department "Ion-plasma surface treatment of structural materials"	Sergii Fomin, e-mail: sfomin@kipt.kharkov.ua
21	Raman spectrometer with confocal microscope	1	Department "Ion-plasma surface treatment of structural materials"	Sergii Fomin, e-mail: sfomin@kipt.kharkov.ua
22	Highvoltage divider, Highvolt (Germany)	1	Department of magnetoplasma technologies and small-sized pulsed accelerators	Vinnikov Denis vinniden@gmail.com
23	Photodiodes, Photek (United Kingdom)	1	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
24	Impulse Generator AVTECH (Austria and Switzerland)	1	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
25	Kymera 328i Spectrograph	1	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
26	Oil-free vacuum pumps, Becker (USA)	1	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
27	Turbomolecular pump or Pfeiffer Vacuum (Germany or CLIFTON)	1	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
28	FT-IR spectrometer, Bruker Vertex 70v with QATR and 10-28000 cm ⁻¹ spectral upgrades or analogues	2	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
29	XRF scanner, Bruker Elio	1	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
30	Raman spectrometer with confocal microscope	1	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com

31	Digital Oscilloscope (200 MHz +)	2	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
32	Desktop and laptop computers	2	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
33	Uninterruptible power supplies	2	Department of magnetoplasma technologies and small-sized pulsed	Vinnikov Denis vinniden@gmail.com
34	ICP setup with laser ablation and sample preparation, Shimadzu (Japan) or analogues	1	Department 34-40	Volodymyr Levenets, e-mail: levenets@kipt.kharkov.ua
35	Spectrometric measuring complex for scintillation detectors, Canberra (France) or analogues	1	Department 34-40	Volodymyr Levenets, e-mail: levenets@kipt.kharkov.ua
36	Digital multichannel analyzer and scintillation preamplifier, CAEN or analogues	1	Department 34-40	Volodymyr Levenets, e-mail: levenets@kipt.kharkov.ua
37	Time to Amplitude converter, ORTEC or analogues	1	Department 34-40	Volodymyr Levenets, e-mail: levenets@kipt.kharkov.ua
38	X-ray fluorescence spectrometer, EDX 8100 Shimadzu or analogues	1	Department 34-40	Volodymyr Levenets, e-mail: levenets@kipt.kharkov.ua
39	Micro-XRF spectrometer, Bruker M4 Tornado Plus or analogues	1	Department 34-40	Volodymyr Levenets, e-mail: levenets@kipt.kharkov.ua
40	Desktop and laptop computers	1	Department 34-40	Volodymyr Levenets, e-mail: levenets@kipt.kharkov.a
41	Software NETZSCH Kinetics Neo	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
42	ICP setup with laser ablation and sample preparation, Shimadzu (Japan) or analogues	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
43	Microscopes and visual inspection systems	2	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
44	Simultaneous Thermal Analysis (STA) instrument, SHIMADZU DTG-60H/60AH (1500 °C) or analogues (Simultaneous Thermal Analysis (TGA/DSC), METTLER TOLEDO TGA/DSC 3+ or analogues) or	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
45	Surface area and pore analyzers Nova 600, Anton Paar GmbH	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com

46	Planetary mill Pulverisette 5/4, FRITSCH, Germany	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
47	High-temperature furnace HT 16/17 Nabertherm, Germany	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
48	Convection chamber furnace NAT 15/85 Nabertherm, Germany	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
49	High-Temperature Vacuum Furnace with max temperature 2500 °C, The Furnace Source, LLC	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
50	Equipment for granulation of powder mixtures WG-30 Wet Granulator, PHARMAG	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
51	Radiographic X-ray control of weld joints	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
52	Universal defectoscope for ultrasonic inspection of weld joints	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
53	Automatic press for dosing and pressing of pellets	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
54	JHC-18 Centerless Grinder, JAINNHER MACHINE CO., LTD, Taiwan	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
55	Coordinate measuring machine with Laser scanner HP-L-10.10	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
56	50kN 100kN 5Ton 10Ton Electronic Universal testing machine with pneumatic side action grip	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
57	Lathe ST-15 (rod diameter up to 64 mm)	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
58	Muffle furnace L(T) 9/12/SW with integrated scales EW-2200 Nabertherm	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
59	High-temperature Dilatometer NETZSCH DIL 402 Supreme	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
60	Laser flash apparatus for measurement of thermal conductivity NETZSCH LFA 457 MicroFlash	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
61	High-Temperature Differential Scanning Calorimeter NETZSCH DSC 404 F3 Pegasus	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com

62	Particle size analyzer ANALYSETTE 22 NeXT Nano, FRITSCH, Germany	1	Sector of development and testing of nuclear and structural materials	Grytsyna Viktor, E-mail: viktorgrytsyna56@gmail.com
63	SMB100B RF signal generator	1	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
64	BBA130 broadband amplifier	1	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
65	Thyratron TDI4-150k/50	1	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
66	Capacitor 0.03 uF 50kV	1	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
67	TriScroll 600 Pump	2	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
68	VS BD302 Bench Mount Helium Mass Spectrometer Leak Detector with TriScroll 620 Dry Scroll Vacuum	1	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
69	Vaclon Plus 75 pump	12	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
70	Controller for Vaclon Plus 75 Pump	12	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
71	6 inch ConFlat blank flange to fit new pumps to our existing equipment	12	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
72	ConFlat copper gaskets (consumable)	36	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
73	Digital Oscilloscope OWON XDS3104E	1	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
74	Infrared Pyrometer BENETECH GM1350	1	SRC "ACCELERATOR", LAB 35-20	Vyacheslav Mats, e-mail: Vyacheslav_mats@ukr.net
75	CANBERRA spectrometer: Broad Energy Germanium Detectors (BEGe3830 or BEGe5030), Software Gene2000 for the spectrometer	1	RDS "Accelerator", Laboratory of Physics and radioisotopes isomers (35-01)	I.S. Timchenko, E-mail: timchenko@kipt.kharkov.ua
76	Low-background camera for spectrometry (Ultra low background shield)	1	RDS "Accelerator", Laboratory of Physics and radioisotopes isomers (35-01)	I.S. Timchenko, E-mail: timchenko@kipt.kharkov.ua
77	Spectrometric measuring complex for scintillation detectors, Canberra (France) or analogues (Required only with a detector)	1	RDS "Accelerator", Laboratory of Physics and radioisotopes isomers (35-01)	I.S. Timchenko, E-mail: timchenko@kipt.kharkov.ua

Department
electronics

78	Standard sources of gamma radiation (22Na, 44Ti, 54Mn, 60Co, 133Ba, 134Cs, 137Cs, 152Eu, 207Pb, 241Am)	1	RDS "Accelerator", Laboratory of Physics and radioisotopes isomers (35-01)	I.S. Timchenko, E-mail: timchenko@kipt.kharkov.ua
79	Graphics cards with Turing GPU architecture such as Quadro RTX 4000	1	RDS "Accelerator", Laboratory of Physics and radioisotopes isomers (35-01)	I.S. Timchenko, E-mail: timchenko@kipt.kharkov.ua
80	Nd-Yag laser 500 mJ, pulse duration 5-15 ns, wavelength 532 nm	1	Department of experimental plasma electronics & new methods acceleration	Gennadiy V. Sotnikov, e-mail: gennadiy.sotnikov@gmail.com
81	Electron gun 10-40 KeV of mA current range	1	Department of experimental plasma electronics & new methods acceleration	Gennadiy V. Sotnikov, e-mail: gennadiy.sotnikov@gmail.com
82	Laboratory high-voltage power supply up to 90 kV	1	Department of experimental plasma electronics & new methods acceleration	Gennadiy V. Sotnikov, e-mail: gennadiy.sotnikov@gmail.com
83	Oil-free vacuum pumps, Beccer VT 4.10 (380V 3 Ph) or BeccerVT 4.10 (380V 3 Ph)	2	Department of experimental plasma electronics & new methods acceleration	Anatoliy Ponomarev, e-mail: anatol.ap61@gmail.com
84	Oil-free vacuum pumps, Gamma vacuum 300T(TV,L) TiTan Ion Pump from	2	Department of experimental plasma electronics & new methods acceleration	Anatoliy Ponomarev, e-mail: anatol.ap61@gmail.com
85	Digital oscilloscope, 200 MHz, 2 Gs/s, 4 channels (model Tektronix TPS2024B) or analogues	2	Department of experimental plasma electronics & new methods acceleration	Anatoliy Ponomarev, e-mail: anatol.ap61@gmail.com
86	Digital oscilloscope, 500 MHz, 5 Gs/s, 4 channels (model Tektronix TDS3054C or analogues)	2	Department of experimental plasma electronics & new methods acceleration	Anatoliy Ponomarev, e-mail: anatol.ap61@gmail.com
87	Graphics cards with Turing GPU architecture such as Quadro RTX 4000	2	Department of experimental plasma electronics & new methods acceleration	Anatoliy Ponomarev, e-mail: anatol.ap61@gmail.com
88	Uninterruptible power supplies: 10 kVA, 0,1 A	2	Department of experimental plasma electronics & new methods acceleration	Anatoliy Ponomarev, e-mail: anatol.ap61@gmail.com
89	Laboratory scales Kern PBS 620-3M or analogues (620 g/0,001g)	1	Department of experimental plasma electronics & new methods acceleration	Anatoliy Ponomarev, e-mail: anatol.ap61@gmail.com
90	Digital microscope Sigeta MB-12 LCD or analogues	1	Department of experimental plasma electronics & new methods acceleration	Anatoliy Ponomarev, e-mail: anatol.ap61@gmail.com
91	Spectrophotometer UV-Vis UV-1280 Shimadzu or analogues	1	Accelerator Scientific Research Complex "Accelerator"	Mykola Aizatskyi mykola.aizatsky@gmail.com
92	Analytical Balance Shimadzu AUW120D (120g/42g, 0.1mg/ 0.01mg) or analogues	1	Accelerator Scientific Research Complex "Accelerator"	Mykola Aizatskyi mykola.aizatsky@gmail.com
93	Digital Storage Oscilloscope TBS2204B 4channel 200MHz Tektronix or analogues	2	Accelerator Scientific Research Complex "Accelerator"	Mykola Aizatskyi mykola.aizatsky@gmail.com

94	Risø Calorimeter, Polystyrene 10MeV (3.0 - 40 kGy)	5	Accelerator Scientific Research Complex "Accelerator"	Mykola Aizatskyi mykola.aizatsky@gmail.com
95	10 MeV Electron Beam Risø Calibration Phantom Holder Part# P1020 (GEX Corporation)	5	Accelerator Scientific Research Complex "Accelerator"	Mykola Aizatskyi mykola.aizatsky@gmail.com
96	Digital Multimeter Keithley 2010 7.5 Digit (Tektronix)	2	Accelerator Scientific Research Complex "Accelerator"	Mykola Aizatskyi mykola.aizatsky@gmail.com
97	PowerEdge R650xs Rack Server Intel® Xeon® Silver 4314 2.4G, RAM 16Mb, SATA 2Tb DEL or	1	Accelerator Scientific Research Complex "Accelerator"	Mykola Aizatskyi mykola.aizatsky@gmail.com
89	Programmable Laboratory Power Supply: Ch: 3; 60VDC; 3A , B&K PRECISION	2	Accelerator Scientific Research Complex "Accelerator"	Mykola Aizatskyi mykola.aizatsky@gmail.com
99	Magnet Power Supply KEPCO 400W BOP 20-20DL-802 or analogues	2	Accelerator Scientific Research Complex "Accelerator"	Mykola Aizatskyi mykola.aizatsky@gmail.com