Last updated: 29.04.2017

People who obtained degrees and awards in LPD

(list is not full: information is still to be added for V. Morozov, O. Solovei, V.A. Yatsenko, S. Gudkov, K.G. Kladko, V. Kornaga, I.O. Bielopolsky and others)

Bachelor of Science (B.Sc.)

1979: F.A. Danevich (Taras Shevchenko Kyiv State University, Kyiv, Ukraine/USSR)
B.Sc. in Physics
Thesis title: "Pulse-shape identification between beta particles (gamma quanta) and neutrons in liquid scintillators"
Supervisor: Yu.G. Zdesenko

1983: V.V. Vasilenko (Taras Shevchenko Kyiv State University, Kyiv, Ukraine/USSR)
B.Sc. in Physics
Thesis title: "Stabilization of data acquisition system of low background scintillation detector"
Supervisor: Yu.G. Zdesenko

1985: O.A. Bezshyyko (Taras Shevchenko Kyiv State University, Kyiv, Ukraine/USSR)
B.Sc. in Physics
Thesis title: "Invstigation of light yields in $CdWO_4$ crystal scintillators"
Supervisor: Yu.G. Zdesenko

2001: S.S. Nagorny (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: ""
Supervisor: Yu.G. Zdesenko

2003: D.V. Poda (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: "Search for α activity of ^{209}Bi with the help of bismuth germanate crystals"
Supervisor: F.A. Danevich

2003: S.S. Yurchenko (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: "Pulse-shape identification of scintillation signals by using methods of artificial neural networks"
Supervisor: F.A. Danevich

2004: V.O. Kulagin (National Technical University of Ukraine "Kyiv Polytechnic Institute", Kyiv, Ukraine)
B.Sc. in Applied Physics
Thesis title: "Optimization of light collection in large-scale experiment to search for double beta decay of ^{116}Cd (project "CAMEO")"
Supervisor: F.A. Danevich

2006: Yu.M. Checherenko (National Technical University of Ukraine "Kyiv Polytechnic Institute", Kyiv, Ukraine)
B.Sc. in Technique
Thesis title: "Electronics for slow scintillation signals processing in low counting experiments"
Supervisor: F.A. Danevich

2009: D.M. Chernyak (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: "Development of the low-background scintillating detector with $CaMoO_4$ crystal scintillators to search for neutrinoless double beta decay of ^{100}Mo"
Supervisor: F.A. Danevich

2011: R.O. Yakobchuk (National Technical University of Ukraine “Kyiv Polytechnic Institute”, Kyiv, Ukraine)
B.Sc. in Applied Physics
Thesis title: “Investigation of rare nuclear decays”
Supervisor: V.I. Tretyak

2011: V.V. Isaienko (National University “Kyiv-Mohyla Academy”, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: “Development of experimental techniques for the study of double beta decay”
Supervisor: F.A. Danevich

2012: D.O. Dzubenko (National University “Kyiv-Mohyla Academy”, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: “Development of experimental techniques and data analysis for double beta decay experiments”
Supervisor: F.A. Danevich

2013: A.S. Zolotaryova (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: “Low temperature detectors to investigate double beta decay”
Supervisor: F.A. Danevich

2014: R.V. Kobychev (National Technical University of Ukraine “Kyiv Polytechnic Institute”, Kyiv, Ukraine)
B.Sc. in Computer Science
Thesis title: “Experimental investigations and computer simulation of response of $CdWO_4$ scintillating detectors”
Supervisor: F.A. Danevich

2015: O.A. Kot (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: “Low-background scintillation detector for studies of rare nuclear processes”
Supervisor: F.A. Danevich

2015: V.O. Kabanova (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: “Investigation of decay scheme of isomeric state of ^{113m}Cd”
Supervisor: F.A. Danevich

2016: M. Nikolaichuk (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
B.Sc. in Physics
Thesis title: “Estimation of possibilities to search for axions that can be emitted by nuclear reactors and radioactive sources”
Supervisor: V.V. Kobychev

Master of Science (M.Sc.)

1977: B.N. Kropyviansky (Taras Shevchenko State University, Kyiv, Ukraine/USSR)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Neutron-activation analysis of natural samples with application of semiconductor detectors and computers”
Supervisor: Yu.G. Zdesenko

1977: V.N. Kuts (Taras Shevchenko State University, Kyiv, Ukraine/USSR)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Possibilities of application of high resolution semiconductor detectors for express roentgen-fluorescence elemental analysis of samples of rocks”
Supervisor: Yu.G. Zdesenko

1979: O.G. Gudnova (Taras Shevchenko State University, Kyiv, Ukraine/USSR)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Prototype of multiwire proportional chamber for set-up to study double beta decay”
Supervisor: Yu.G. Zdesenko

1980: F.A. Danevich (Taras Shevchenko State University, Kyiv, Ukraine/USSR)

M.Sc. in Nuclear and Particle Physics
Thesis title: “Investigation of possibilities of application of liquid scintillators for studies of double beta decay”
Supervisor: Yu.G. Zdesenko

1981: V.P. Sopronyuk (Taras Shevchenko State University, Kyiv, Ukraine/USSR)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Studies of double beta decay of ^{96}Zr”
Supervisor: Yu.G. Zdesenko

1984: V.V. Vasilenko (Taras Shevchenko State University, Kyiv, Ukraine/USSR)
M.Sc. in Nuclear and Particle Physics
Thesis title: “$CdWO_4$ scintillators for investigation of 2β decay of ^{116}Cd”
Supervisor: Yu.G. Zdesenko

1986: I.? Zaets (Taras Shevchenko State University, Kyiv, Ukraine/USSR)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Simulation of 2β decay of ^{100}Mo with semiconductor Si(Li) detectors”
Supervisor: Yu.G. Zdesenko

2002: S.S. Nagorny (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Study of properties of cadmium, calcium, zinc and lead tungstate crystal scintillators to search for dark matter, processes of alpha decay and double beta decay of atomic nuclei”
Supervisors: Yu.G. Zdesenko, F.A. Danevich

2004: D.V. Poda (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Optimization of detector based on cadmium tungstate crystal scintillator”
Supervisor: F.A. Danevich

2004: S.S. Yurchenko (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Application of artificial neural networks to pulse-shape analysis of cadmium tungstate scintillation signals”
Supervisor: F.A. Danevich

2007: V.M. Mokina (National Technical University of Ukraine “Kyiv Polytechnic Institute”, Kyiv, Ukraine)
M.Sc. in Physics
Thesis title: “Development of scintillation detectors with high energy resolution for the experiment to search for 2β decay of atomic nuclei (project SuperNEMO)”
Supervisor: F.A. Danevich

2011: D.M. Chernyak (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Low-background detector with $^{116}CdWO_4$ crystal scintillators to search for 2β decay of ^{116}Cd”
Supervisor: F.A. Danevich

2015: A.S. Zolotaryova (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
M.Sc. in Nuclear and Particle Physics
Thesis title: “Low background scintillation detector with crystal cadmium tungstate crystal scintillator to study double beta decay”
Supervisor: F.A. Danevich

Candidate of Sciences (equiv. Ph.D.)

1981: Yu.G. Zdesenko, Ph.D. in Physics of Atomic Nuclei and Elementary Particles
Defended at: Institute for Nuclear Research (Moscow, Russia)
Thesis title: “Double beta decay of ^{130}Te”

1986: A.S. Nikolaiko, Ph.D. in Physics of Atomic Nuclei and Elementary Particles
Defended at: Joint Institute for Nuclear Research (Dubna, Russia)

Thesis title: "Results of the research of double beta decay of ^{96}Zr, ^{100}Mo, ^{76}Ge"
Supervisor: Yu.G. Zdesenko

1987: V.M. Kuts, Ph.D. in Physics of Atomic Nuclei and Elementary Particles
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "Method of investigation of 2K capture in ^{196}Hg and 2β decay of ^{76}Ge with the help of low background semiconducting spectrometer"
Supervisor: Yu.G. Zdesenko

1991: V.I. Tretyak, Ph.D. in Physics of Atomic Nuclei and Elementary Particles
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "Simulation and experimental investigations of double beta processes on Mo, Ge, Hg, Cd and W nuclei"
Supervisor: Yu.G. Zdesenko

1995: F.A. Danevich, Ph.D. in Physics of Atomic Nuclei and Elementary Particles
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "The research of double beta decay of ^{116}Cd with the help of the cadmium tungstate scintillators"
Supervisor: Yu.G. Zdesenko

1996: A.G. Prokopets, Ph.D. in Nuclear, Particle and High Energy Physics
Defended at: Grad. University for Adv. Studies (Tsukuba, Japan)
Thesis title: "Development of a large scale liquid xenon ionization drift chamber for searching for neutrinoless double beta-decay of ^{136}Xe"
Supervisor: M. Miyajima

1998: V.V. Kobychev, Ph.D. in Nuclear, Particle and High Energy Physics
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "Double beta decay of cadmium, cerium, gadolinium and tungsten isotopes"
Supervisor: Yu.G. Zdesenko

2007: A.S. Georgadze, Ph.D. in Nuclear, Particle and High Energy Physics
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "Development for low energy solar neutrino detectors"
Supervisor: V.V. Kobychev

2009: D.V. Poda, Ph.D. in Nuclear, Particle and High Energy Physics
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "Double beta decay of $^{64, 70}$Zn and $^{180, 186}$W isotopes"
Supervisor: F.A. Danevich

2011: R.B. Podviyanuk, Ph.D. in Nuclear, Particle and High Energy Physics
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "Scintillation detectors based on molybdates and tungstates for investigation of double-beta decay and search for dark matter particles"
Supervisor: F.A. Danevich

2011: S.S. Yurchenko, Ph.D. in Nuclear, Particle and High Energy Physics
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "Beta decay of ^{113}Cd and alpha decay of ^{151}Eu"
Supervisor: F.A. Danevich

2011: S.S. Nagorny, Ph.D. in Nuclear, Particle and High Energy Physics
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "Alpha decay of natural isotopes of tungsten"
Supervisor: F.A. Danevich

2012: O.G. Polischuk, Ph.D. in Nuclear, Particle and High Energy Physics
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: "Search for double beta decay of ^{100}Mo, ^{96}Ru and ^{104}Ru"
Supervisor: V.I. Tretyak

2015: D.M. Chernyak, Ph.D. in Physics
Defended at: Université Paris-Sud 11 (Orsay, France)
Thesis title: “Development of cryogenic low background detector based on enriched zinc molybdate crystal scintillators to search for neutrinoless double beta decay of ^{100}Mo”
Supervisor: F.A. Danevich, A. Giuliani

2015: V.M. Mokina, Ph.D. in Technique
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: “Scintillation detectors based on molybdate and tungstate crystals for double beta-decay search”
Supervisor: F.A. Danevich

Doctor of Sciences (Dr.Sc.)

1990: Yu.G. Zdesenko, Dr.Sc. in Nuclear, Particle and High Energy Physics
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: “Double beta decay”

2006: F.A. Danevich, Dr.Sc. in Nuclear, Particle and High Energy Physics
Defended at: Institute for Nuclear Research (Kyiv, Ukraine)
Thesis title: “Experimental research of double beta decay of atomic nuclei”
Supervisor: Yu.G. Zdesenko

Senior Scientific Researcher (equiv. Associate Professor)

1999: V.I. Tretyak
2000: A.S. Nikolaiko
2000: Yu.G. Zdesenko
2002: F.A. Danevich

Professor

2000: Yu.G. Zdesenko
2016: F.A. Danevich

Corresponding Member of the National Academy of Sciences of Ukraine

2005: Yu.G. Zdesenko

Awards

2006: F.A. Danevich, V.V. Kobychev, V.I. Tretyak
Sinelnikov Prize of the National Academy of Science of Ukraine 2006 for series of works "Experimental investigations of rare processes in physics of atomic nuclei and particles".

2010: S.S. Nagorny, D.V. Poda, O.G. Polischuk, S.S. Yurchenko
Annual Prize of President of Ukraine for young scientist 2010 for the cycle of the experimental studies “Rare nuclear and subnuclear processes”

2016: F.A. Danevich, V.V. Kobychev, V.I. Tretyak, Yu.G. Zdesenko
The State prize of Ukraine in science and technology 2016 for the cycle of for the work “Properties of neutrino and weak interactions, search for effects beyond the Standard Model”