

## Curriculum Vitae

### Ruslan Podviyanuk

#### Current position:

Junior scientific researcher

Lepton Physics Department of the Institute for Nuclear Research

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#### Personal data

Date and place of birth: 10 May 1976, Kiev, Ukraine

Married, one son

#### Education

January 2011      PhD “Scintillation detectors based on molybdates and tungstates for investigation of double-beta decay and search for dark matter particles”, Institute for Nuclear Research, Kiev, Ukraine, supervisor Dr. F.A. Danevich

1996 -2001      M. Sc. Experimental nuclear physics, National Taras Shevchenko University of Kiev, Faculty of Physics, Nuclear Physics Department

1991-1995      Electronic-technician, College of electronic devices, Kiev

#### Research interests:

Nuclear electronic, detectors development, software for data acquisitions, low background measurements, data analysis and Monte Carlo simulations

#### Computer Skill

Basic, Visual Basic, Pascal, Delphi7, C++, Borland C++, OpenGL

P-Cad, Sprint layout, Circuit maker, WorkBench

PAW, PeakFit, MathCad, Origin, GEANT-4

#### Professional employment

11.2010 – till now      Junior scientific researcher, Institute for Nuclear Research of the National Academy of Sciences of Ukraine

01.2006 – 11.2010      Principal engineer, Institute for Nuclear Research of the National Academy of Sciences of Ukraine

06.2003 – 05.2007      Scientific researcher, “Micropribor” Institute of the National Academy of Sciences of Ukraine

10.1999 – 06.2003      Design engineer of II category, “Micropribor” Institute of the National Academy of Sciences of Ukraine

09.1997 – 11.1997      Engineer-programmer, Polyclinic #1, Kiev

04.1996 – 09.1997      Engineer of VI category on automation and technological equipment, “Radar” plant, Kiev, Ukraine

08.1995 – 04.1996      Technician of IV category, “Radar” plant, Kiev, Ukraine

**Work abroad:**

Modane Underground Laboratory, France (2006, 2007), Yang Yang Underground Laboratory, Korea (2008, 2009), Gran Sasso National Laboratories, Italy (2008, 2009, 2010).

**Main publications:**

1. A.N. Annenkov et al., [Development of CaMoO<sub>4</sub> crystal scintillators for double beta decay experiment with <sup>100</sup>Mo](#). Nucl. Instr. Meth. A 584 (2008) 334.
2. H. Kraus et al., [EURECA – The Future of Cryogenic Dark Matter Detection in Europe](#). Proc. of Science: PoS (idm2008) 013, 7 p.
3. H. Kraus et al., [EURECA – the future of cryogenic dark matter detection in Europe](#). EAS Publications Series 36 (2009) 249.
4. F.A. Danevich et al., [MgWO<sub>4</sub> – A new crystal scintillator](#). Nucl. Instr. Meth. A 608 (2009) 107.
5. R. B. Podviyanuk, Pia Loaiza, V. N. Kovalenko. [Development of data acquisition system with germanium semiconductor detector for EDELWEISS experiment](#). Nucl. Phys. Atomic Energy 2 (2007) 155 (in Russian).
6. R.B. Podviyanuk, V.V.Kobychev, D.N.Chernyak. [Spectrometer for slow scintillation detectors with pulses shape digitizing](#). J. Nucl. Phys. At. En. 10 (2009) 318 (in Russian).
7. H.J. Kim et al., [Neutrino-less double beta decay experiment using Ca<sup>100</sup>MoO<sub>4</sub> scintillation crystals](#). IEEE Trans. Nucl. Sci. 57 (2010) 1475.
8. P. Belli et al., [Radiopurity of ZnWO<sub>4</sub> crystal scintillators](#). Acta Phys. Pol. A 117 (2010) 139.
9. P. Belli et al., [Development of enriched <sup>106</sup>CdWO<sub>4</sub> crystal scintillators to search for double β decay processes in <sup>106</sup>Cd](#). Nucl. Instr. Meth. A 615(2010) 301.

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