

Curriculum Vitae and Bibliography

Oleksandr P. Dzyubak, PhD

(Alexandr P. Dzyubak - another name spelling)

1. PERSONAL INFORMATION

Place of Birth: Ukraine

Citizenship: Ukraine

Visa Information: U.S.A. Permanent Resident (Green Card)

2. PRESENT ACADEMIC RANK AND POSITION

Assistant Professor of Biomedical Engineering, Research Associate – Mayo Clinic College of Medicine

3. EDUCATION

Kharkov State University, Kharkov, Ukraine	1977 - 1981
BS, Nuclear and Particle Physics	
Kharkov State University, Kharkov, Ukraine	1981 - 1983
MS, Nuclear and Particle Physics	
Kharkov State University, Kharkov, Ukraine	1990
PhD, in Physics and Mathematics	
Elements of Biology, 3 Credits.	2007
Rochester Community and Technical College, Rochester, MN, USA	
Fundamentals of Anatomy and Physiology, 4 Credits.	2007
Rochester Community and Technical College, Rochester, MN, USA	
Multidetector-Row CT, 37 AMA PRA Category Credits.	2007
Continuing Medical Education Program, Stanford University School of Medicine, Department of Radiology, San Francisco, CA, USA	
Intensive GEANT4 (toolkit for the simulation of the passage of particles through matter) workshop on high energy/nuclear physics and medical applications. Jefferson Lab, Newport News, VA, USA	2006

4. BOARD CERTIFICATION(S)

None, but registered for the American Board of Radiology (ABR) July 2010
Part I Exam: **Radiologic Physics**

5. MEDICAL LICENSURE

None

6. HONORS/AWARDS

Full year stipend award. Kharkov State Univ. Stipend Award Committee, Kharkov, Ukraine	1977 - 1978
Full year stipend award (plus 20% Best Student award). Kharkov State Univ. Stipend Award Committee, Kharkov, Ukraine	1978 - 1979
Best Student Project Competition. “Experimental studies of cancer cell membrane potentials, Kharkov State University, Kharkov, Ukraine	1979
Full year stipend award (plus 50% Best Student award). Kharkov State Univ. Stipend Award Committee, Kharkov, Ukraine	1979 - 1980
Full year stipend award (plus 50% Best Student award). Kharkov State Univ. Stipend Award Committee, Kharkov, Ukraine	1980 - 1981
Full year stipend award (plus 92% Best student award). Kharkov State Univ. Stipend Award Committee, Kharkov, Ukraine	1981 - 1982
Inventor's Certificate of the USSR # 1398550. Dzyubak AP, Karnaukhov IM, Lukhanin AA, and Neffa AYu. Cryogenic installation. Bulletin of the Discovery and Invention USSR. 1987; 28: 272.	1987
Certificate of Senior Scientist. Specialty: Nuclear, Particle, and High Energy Physics. Supreme Certificate Committee of Ukraine, Kiev, Ukraine	2000

7. MILITARY SERVICE

None

8. PREVIOUS PROFESSIONAL POSITIONS AND MAJOR APPOINTMENTS

Teaching Assistant. Kharkov State University, Kharkov, Ukraine	1983 - 1984
Research Scientist. Kharkov State University, Kharkov, Ukraine	1985 - 1987
Visiting Scientist. Yerevan Physics Institute, Yerevan, Armenia	1984 – 1986
Visiting Scientist. Instit. for High Energy Physics, Protvino, Russia	1986 – 1994
Engineer-Researcher. National Science Center (KIPT), Kharkov, Instit. of High Energy Physics & Nuclear Physics, Kharkov, Ukraine	1987 - 1989
Research Scientist. National Science Center (KIPT), Kharkov, Instit. of High Energy Physics & Nuclear Physics, Kharkov, Ukraine	1989 - 1997
Visiting Scientist. Laboratoire National Saturne, Saclay, France	1992 – 1993
Research Scientist. The Academy of Medical Science of Ukraine, Institute of Endocrine Pathology Problems, Kharkov, Ukraine	1995 - 1996
Visiting Research Scientist. Institute of Particle and Nuclear Physics, Prague, Czech Republic	1998 – 1999
Visiting Scientist. Joint Instit. for Nuclear Research, Dubna, Russia	1993 – 2000
Senior Research Scientist. National Science Center (KIPT), Instit. of High Energy Physics & Nuclear Physics, Kharkov, Ukraine	1997 - 2001
Visiting Research Scientist. Fermi National Lab, Batavia, IL, USA	2000 – 2002
Research Associate. University of Rochester, Rochester, NY, USA	2001 - 2002

Research Scientist. Univ. of South Carolina, Columbia, SC, USA	2002 - 2006
Visiting Scientist. Jefferson Nation. Lab, Newport News, VA, USA	2002 – 2008
Research Fellow. Mayo Clinic College of Medicine, Dept. of Radiology, Computed Tomography Clinical Innovation Center (CT CIC), Rochester, MN, USA	2006 – 2007
Research Associate. Mayo Clinic College of Medicine, Physiological Imaging Research Lab (PIRL), Rochester, MN, USA	2007 – 2010
Assistant Professor. Mayo Clinic College of Medicine, Physiological Imaging Research Lab (PIRL), Rochester, MN, USA	2010 – present

9. PROFESSIONAL MEMBERSHIPS AND SOCIETIES (Extramural only)

Professional Memberships & Services

American Physical Society (APS) – member	2003 – present
South Carolina Academy of Science (SCAS) – member	2003 – present
Mathematical Association of America (MAA) – member	2004 – present
Sigma Xi, the Scientific Research Society – full member	2005 – present
Institute of Electrical and Electronics Engineers (IEEE) – member	2006 – present
American Association of Physicists in Medicine (AAPM) – full member	2006 – present
Radiological Society of North America (RSNA) – member	2007 – present

User Groups & Collaborations

Users Group at National Science Center (KIPT), Instit. of High Energy Physics & Nuclear Physics, Kharkov, Ukraine – member	1982 – 2002
Users Group at Joint Institute Nuclear Research (Movable Polarized Target Collaboration), Dubna, Russia – member	1993 – 2000
Users Group at Jefferson National Lab, Newport News, VA, USA – member	2002 – 2006
CEBAF Large Acceptance Spectrometer (CLAS) Collaboration, Jefferson National Lab, Newport News, VA, USA – member	2002 – 2006
The Geant4 North American Medical User Organization (G4NAMU), SLAC National Accelerator Laboratory, Menlo Park, CA, USA – member	2006 – present

10. EDUCATIONAL ACTIVITIES

A. Curriculum/Course Development

High Resolution NMR spectroscopy, The Academy of Medical Science of Ukraine, Institute of Endocrine Pathology Problems. Monthly seminar	1995 – 1996
Mathematical modeling experimental data, Ukrainian National Scientific Center of Medicinal Substances, Kharkov, Ukraine, Monthly seminar	1996 – 1999

B. Teaching Activities

<u>Teaching Assistant.</u> Theory of scattering, Dept. of Experimental Nuclear Physics, Kharkov State University, Kharkov, Ukraine	09/1983 – 06/1984
--	-------------------

Adaptive tubular object recognition based on multi-scale shape analysis 02/26/2010
in large images of vascular trees, Biomedical Engineering Seminar
Mayo Clinic, Mann Hall Medical Sciences Bldg., Rochester, MN

C. Mentor

Mentees	Dates mentored	Description of the work	Mentees Current Status
Nikolai Lotochuk	1988-1991	Photon and particle interaction with nuclear polarized targets (Protons and Deuterons)	MS in Nuclear and Particle Physics
Volodymyr Romanov	1993-1995	Use of computer workstations for mathematical modeling	Researcher in private company
Valerii Gavrikov	1995-1997	Use of detectors for Experimental Particle Physics	Researcher in private company
Oleksandr Lukhanin	1997-1999	Cryogenics and high field magnet design and development for polarized targets (Protons and Deuterons)	MS in Nuclear and Particle Physics
Andrii Belyaev	1996-2000	Modern Numerical methods for modeling physical processes	Several co-authored publications for his PhD Dissertation in Nuclear and Particle Physics
Nicolas Recalde,	2002-2003	Superconducting extra-compact magnet coil design for dynamic polarized targets (Protons and Deuterons)	MS in Nuclear and Particle Physics
Irina Stepanova	2003-2004	Modeling particle interaction with matter based on GEANT4 simulation toolkit	Researcher in at institution

D. Education Scholarship

None

E. Honors and Awards for Education

None

F. Academic Career Development

None

11. INSTITUTIONAL/DEPARTMENTAL ADMINISTRATIVE RESPONSIBILITIES, COMMITTEE MEMBERSHIPS, AND OTHER ACTIVITIES

Board of Student Affairs, College of Physics and Technology, 1978 – 1980
Kharkov State University, Kharkov, Ukraine - Chair of the Board

12. PRESENTATIONS

International

- Dzyubak OP, Ritman EL. Hybrid denoising filter pipeline for mixed noise images, NCCAAPM 2009 Spring Meeting, April 24, 2009, Eau Claire, WI, USA 2009
- Dzyubak OP, Mandrekar JN, Fletcher JG, McCollough CH. Dual-energy CT iodine-subtraction “virtual non-contrast” technique for detection of urinary stones in the opacified collecting system: feasibility phantom study, Society of Gastrointestinal Radiologists and Society of Uroradiology, April 15-20 2007, Coconut Point, Naples, FL, USA 2007
- Primak A, Dong Y, Dzyubak OP, Jorgensen SM, McCollough CH, Ritman EL. A Technical Solution to Avoid Partial Scan Artifacts in Myocardial Perfusion Imaging using MDCT, 49-th AAPM Annual Meeting, July 22-26, 2007, Minneapolis Convention Center, Minneapolis, MN, USA 2007
- Dzyubak OP, Primak AN, Takahashi N, Vrtiska TJ, Hartman RP, Kawashima A, Fletcher JG, Yu L, and McCollough CH, The use of CT dual-energy subtraction imaging to detect kidney stones amid iodinated contrast material, 49-th AAPM Annual Meeting, July 22-26, 2007, Minneapolis Convention Center, Minneapolis, MN, USA 2007

- Brown CL, Hartman RP, Dzyubak OP, Takahashi N, Kawashima A, McCollough CH, Primak AN, Bruesewitz MR, Fletcher JG. Dual-Energy CT Iodine Overlay Technique for Characterization of Renal Masses as Cyst or Solid: A Phantom Feasibility Study, RSNA, November 25-30, 2007, Chicago, IL, USA 2007
- McDonald E, Fletcher JG, Dzyubak OP, Bruesewitz MR, Siddiki H, McCollough CH. Use of 80 kV Tube Energy in Perfusion CT: When is it OK?, RSNA, November 25-30, 2007, Chicago, IL, USA 2007
- Primak A, Dong Y, Dzyubak OP, Jorgensen SM, McCollough CH, Ritman EL. Methods to reduce or eliminate partial scan artifacts in cardiac CT, RSNA, November 25-30, 2007, Chicago, IL, USA 2007
- Yu L, Primak A, Dzyubak OP, Liu X, McCollough CH. Dual-source dual-energy CT (DECT) combined images can provide improved image quality relative to single-energy CT with no increase in patient dose, RSNA, November 25-30, 2007, Chicago, IL, USA 2007
- Dzyubak O, Djalali C, Tedeschi D. Medical applications of polarization techniques developed for Nuclear and Particle Physics, South Carolina Academy of Science, 77th Annual Meeting, March 15-16, 2005, Rock Hill, SC, USA 2005
- Dzyubak O, Dzyubak S. Low level measurements of radioactive residuals as spin-offs from High Energy and Particle Physics to the Medicine and Nutrition Quality Control Service, South Carolina Academy of Science, 77th Annual Meeting, March 15-16, 2005, Rock Hill, SC, USA 2005
- Dzyubak O, Djalali C, Strauch S and Tedeschi D. Magnet and beam studies for the JLab Hall-B Frozen Spin Polarized Target, XI-th International Workshop on Polarized Sources and Targets, November 14-17, 2005, Tokyo, Japan 2007
- Keith CD, Seely ML, Dzyubak O. Design of a Frozen Spin Target for CLAS, GDH-2004, the Third International Symposium on the Gerasimov-Drell-Hearn Sum Rule and its Extensions, June 2-5, 2004, VA, USA 2004
- Dzyubak O, Djalali C, Recalde N, and Tedeschi D. Design of internal superconducting holding magnet for the JLAB Hall-B frozen spin polarized target, 9th Inter. Workshop on Polarized Solid Targets & Techniques, October 27 - 29, 2003, Physikzentrum of Bad Honnef, Germany 2004
- Dzyubak O. Frozen Polarized Target for JLAB photon experiments, American Physical Society Meetings, April 5-8, 2003, Philadelphia, PA, USA 2003
- Recalde N, Dzyubak O, Keith C, and Seely M. Holding Magnet System for JLAB Hall-B Frozen Polarized Target, American Physical Society Meetings, April 5-8, 2003, Philadelphia, PA, USA 2003

- Belyaev AA, ..., Dzyubak AP, ..., et al.. Millimeter magnetic spectroscopy of paramagnetic complexes Cr(V), MSMW'2001 Symposium, June 4-9. 2001, Kharkov, Ukraine 2001
- Durand G, Dzyubak AP, Benda B, Ball J, Usov Y, and Janout Z. The optimal conditions of the LiH and LiD preparation as a target material, 12th Int. Symp. on High Energy Spin Physics, Vrije Universiteit Amsterdam, 10-14 Sept. 1996, Amsterdam, The Netherlands 1996
- Anischenko NG, ..., Dzyubak AP, ..., et al.. A new movable polarized target at Dubna, 11-th Int. Symp. on High Energy Spin Physics, 15-22 Sept. 1994, Bloomington, IN, USA 1994
- Belyaev AA, ..., Dzyubak AP, ..., et al.. A cryostat for samples irradiations in liquid argon, 9-th Int. Symp. on High Spin Energy Physics, 6-15 Sep, 1990, Bonn, FRG 1990
- Androsov VP, ..., Dzyubak AP, ..., et al.. New polarized target facility at the Kharkov Institute of Physics and Technology, 9-th Int. Symp. on High Spin Energy Physics, 6-15 Sep, 1990, Bonn, FRG 1990
- Belyaev AA, ..., Dzyubak AP, ..., et al.. A Study of polarization in irradiated ammonia, III-Workshop on High Spin Energy Physics, 5-8 Sept., 1989, Protvino, Russia 1990
- Belyaev AA, ..., Dzyubak AP, ..., et al.. A study of spectral characteristics of ammonia irradiated at 90K, III-Workshop on High Spin Energy Physics, 5-8 Sept., 1989, Protvino, Russia 1990
- Belyaev AA, ..., Dzyubak AP, ..., et al.. A study of T-asymmetry of reaction $\gamma N \rightarrow \pi p$ on deuteron polarized target, III-Workshop on High Spin Energy Physics, 5-8 Sept., 1989, Protvino, Russia 1990
- Androsov VP, ..., Dzyubak AP, ..., et al.. Polarization evolution in ND₃, 8-th Int. Symp. on High-Energy Spin Physics, Sept. 12-17, 1988, Minneapolis, MN, USA 1989
- Belyaev AA, ..., Dzyubak AP, ..., et al.. A study of proton polarization in ammonia (NH₃) under irradiation and annealing, 8-th Int. Symp. on High-Energy Spin Physics, Sept. 12-17, 1988, Minneapolis, MN, USA 1989
- Karnaukhov IM, ..., Dzyubak AP, ..., et al.. Dynamical polarization of protons and deuterons in irradiated samples of NH₃ and ND₃ at temperatures 1.0 and 0.5 K, 7-th Int. Symp. on High Energy Spin Physics, Sept. 22-27, 1986, Protvino, Russia 1986

National

- Belyaev A, Dzyubak O, Lukhanin O. Simulations of Q-meter for precise measurements of proton polarization for the JLAB Frozen Spin Target, FROST Working Group at CLAS Collaboration Hall B Meeting, November 3-5, 2005, Newport News, VA, USA 2005

- Belyaev A, Dzyubak O, Lukhanin O. Polarized Target technologies developed at National Scientific Center of Ukraine (KIPT, Kharkov) and their possible applications for the FROST project at JLAB Hall-B, FROST Working Group at CLAS Collaboration Hall B Meeting, November 3-5, 2005, Newport News, VA, USA 2005
- Dzyubak O, Ch. Djalali, and Tedeschi D. Short holding solenoid for Hall-B Frozen Spin Target, Hadron Spectroscopy Group at CLAS Collaboration Hall B Meeting, October 15, 2004, Newport News, VA, USA 2004
- Dzyubak O, Djalali C, and Tedeschi D. Precise field map measurements for Hall-B Frozen Spin Target Polarizing Magnet, Hadron Spectroscopy Group at CLAS Collaboration Hall B Meeting, June 20-22, 2004, Newport News, VA, USA 2004
- Dzyubak O, Djalali C, and Tedeschi D. Forces acting on conductors of 0.3 Tesla holding magnet system in self-induced magnetic field, Real Photon Working Group at CLAS Collaboration Hall B Meeting, November 14, 2003, Newport News, VA, USA 2003
- Dzyubak O, Djalali C, and Tedeschi D. Investigation of a series of dipole magnets for transversal holding magnetic field for the Jlab Hall-B Frozen Spin Polarized Target, Real Photon Working Group at CLAS Collaboration Hall B Meeting, June 30, 2003, Newport News, VA, USA 2003
- Seely M, Dzyubak O, and Recalde N. Magnetic Field Measurements on the Prototypes. Part II, Real Photon Working Group at CLAS Collaboration Hall B Meeting, December 14, 2002, Newport News, VA, USA 2002
- Seely M, Dzyubak O, and Recalde N. Magnetic Field Measurements on the Prototypes. Part I, Real Photon Working Group at CLAS Collaboration Hall B Meeting, November 16, 2002, Newport News, VA, USA 2002
- Dzyubak O. Notes about Holding Magnet System for the Hall-B Frozen Spin Polarized Target, Real Photon Working Group at CLAS Collaboration Hall B Meeting, November 16, 2002, Newport News, VA, USA 2002
- Seely M, Dzyubak O, Recalde N. OPERA(TOSCA) Holding Solenoid calculations for Hall-B Frozen Spin Polarized Target, Real Photon Working Group at CLAS Collaboration Hall B Meeting, October 18, 2002, Newport News, VA, USA 2002
- Seely M, Ch. Keith, D. Crabb, Dzyubak O. Frozen spin mode Polarized Target for Hall-B, Real Photon Working Group at CLAS Collaboration Hall B Meeting, August 9, 2002, Newport News, VA, USA 2002

Regional

None

13. VISITING PROFESSORSHIPS

None

14. CLINICAL PRACTICE, INTERESTS, AND ACCOMPLISHMENTS

CT quality assurance, CT dosimetry, Cardiac CT, Dual-Energy CT and clinical applications

15. RESEARCH INTERESTS

Medical imaging physics with an emphasis on cardiac CT
Computerized Tomography (CT)
Magnetic Resonance Imaging (MRI)
Physics in Medicine and Environmental Science
Detecting weak signals, digital filtering
Image processing and analysis, including registration, segmentation, and classification
Optimization of computer simulations
Parallel computing (Parallel Virtual Machines and GRID)
Complex nonlinear and stochastic systems
Nuclear and particle physics

16. RESEARCH GRANTS AWARDED

Active Grants

Co-investigator 100% Effort	Micro-CT of Solute Transport in Organs & Tissue Scaffolds. Funded by National Institute of Biomedical Imaging and Bioengineering. R01 EB000305, Ritman (PI)	08/01/2009 - 07/31/2010
--------------------------------	---	-------------------------

Submitted Grants

PI 100% Effort	Use of Photon Retardation for X-ray Imaging. National Institutes of Health (NIH)	08/01/2011 - 07/31/2014
PI 100% Effort	Development and evaluation of an algorithm for automated analysis of multiscale tubular objects in large images. James McDonnell Foundation	08/01/2010 - 07/31/2012
PI 100% Effort	Refractive Time-of-Flight X-ray Imaging for Materials Research. National Science Foundation	08/01/2010 - 07/31/2012

Completed Grants

Co- Investigator 100% Effort	MMV Final -CT Clinical Innovation Center, Funded by Siemens Medical Solutions USA, Inc., SIEMENS #11; 90897009, McCollough (PI)	1/1/2007 – 12/31/2008
Co- Investigator 100% Effort	Implementation of the Polarized HD target at the Thomas Jefferson National Accelerator Facility, Funded by The U.S. Department of Energy. DE- FG02-02ER45959, Djalali and Tedeschi (PIs)	01/2002 - 12/2006

17. PATENTS

Title	Patent number	Date filed	Date issued
<u>Dzyubak OP</u> , Primak AN, McCollough CH. Object identification in dual energy contrast-enhanced CT images.	International Application Number: PCT/US08/699 33	International Filing Date: 14- JUL-2008	Pending
<u>Dzyubak AP</u> , Karnaukhov IM, A.A. Lukhanin, and A.Yu. Neffa. Cryogenic installation.” Bulletin of the Discovery and Invention USSR. 1987; 28: 272.	Inventor’s Certificate of the USSR # 1398550	1986	1987

18. BIBLIOGRAPHY

Full length, peer-reviewed, original articles

1. Dzyubak OP, Ritman EL. Automation of Hessian-based Tubularity Measure Response Function in 3D Biomedical Images, International Journal of Biomedical Imaging special issue: Modern Mathematics in Biomedical Imaging. 2011; 2011, Article ID 920401, 16 pages, doi:10.1155/2011/920401.
2. Brown CL, Hartman RP, Dzyubak OP, Takahashi N, Kawashima A, McCollough CH, Bruesewitz MR, Primak AM, Fletcher JG. Dual-energy CT iodine overlay technique for characterization of renal masses as cyst or solid: a phantom feasibility study, Eur Radiol. 2009; 19(5):1289-95.
3. Takahashi N, Hartman RP, Vrtiska TJ, Kawashima A, Primak AN, Dzyubak OP, Mandrekar JN, Fletcher JG, McCollough CH. Dual-energy CT iodine-subtraction virtual unenhanced technique to detect urinary stones in an iodine-filled collecting system: a phantom study, Am J Roentgenology. 2008; 190(5): 1169-73.
4. Primak AN, Fletcher JG, Vrtiska TJ, Dzyubak OP, Lieske JC, Jackson ME, Williams JC Jr, McCollough CH. Noninvasive Differentiation of Uric Acid versus Non-Uric Acid Kidney Stones Using Dual-Energy CT, Academic Radiology 2007; 14: 1441-7.
5. Primak AN, Dong Y, Dzyubak OP, Jorgensen SM, McCollough CH, Ritman EL. A Technical Solution to Avoid Partial Scan Artifacts in Cardiac MDCT, Medical Physics. 2007; 34(12): 4726-37.
6. Dzyubak SN, Gubin YI, Hovorost PP, Komissarenko NF, Orlov AA, Krasnov VP, Pristchepa AL, Dzyubak AP, Sorokin PV, Popov VF. Ecological estimation of radioactive pollution in herbal raw material in the region of Ukrainian Polesie, Hygiene of populated areas. 2000; 36(1): 494-501, (In Russian).
7. Gubin YI, Dzyubak OP, Dzyubak SN, Komissarenko NF, Krasnov VP, Orlov AA, Popov VP, Sorokin PV, and Khvorost PP. Studies of Cs-137 transfer from herb raw material to tinctures, Ukrainian Journal of Radiology. 2000; 8: 168-70 (In Ukrainian).
8. Lyubinskij VR, Sysoeva EP, Dzyubak OP, Dzyubak SN, and Gubin YI. Development of high-sensitivity spectrometer for radiometric control of medicinal preparations, Ukrainian Journal of Radiology. 1999; 7: 474-5 (In Ukrainian).
9. Gubin YI, Dzyubak OP, Dzyubak SN, Komissarenko NF, Krasnov VP, Orlov AA, Popov VP, Sorokin PV, and Khvorost PP. Correlation of 137 Cs extraction from the medicinal raw materials and alcohol concentration in the solvent, Ukrainian Journal of Radiology. 1999; 7: 469 (In Ukrainian).
10. Awrejcewicz J, Dzyubak O, and Dzyubak L. Chaos in the three-well potential system, Mechanics Research Communications. 2004; 31: 287-94.
11. Berezovoj VP, Bolotin YL, Dzyubak AP, Yanovsky VV, and Zhiglo AV. Nuclear Stochastic Resonance, JETP Letters. 2001; 74: 411-4.
12. Berezovoj VP, Bolotin YL, Dzyubak AP, Yanovsky VV, and Zhiglo AV. Stochastic resonance in nuclear fission, Problems of Atomic Science and Technology. 2001; 6: 226-9.
13. Dzyubak O, Djalali C, Recalde N, and Tedeschi D. Design of internal superconducting holding magnet for the JLab Hall-B Frozen Spin Polarized Target, Nucl. Instr. Meth. in

- Phys. Res. 2004; A 526: 132-7.
14. Belyaev AA, Vorob'eva NP, Dzyubak AP, Ivanchenko IV, Karelin SY, Karnaukhov IM, Lukhanin AA, Orlov VD, and Popenko NA. Magnetic resonance of chromium (V) with 2-hydroxy-2ethylbutyrates, Journal of Applied Spectroscopy. 2001; 68: 623-8.
 15. Belyaev AA, Dzyubak AP, Lukhanin AA. The Employment of fitting programs for deuteron polarization calculation in a nuclear polarized target, Problems of Atomic Science and Technology. 2000; 2(36): 38-40.
 16. Borisov NS, ..., Dzyubak AP, ..., et al.. Frozen spin solid targets developed at the laboratory of Nuclear Problems (JINR, Dubna), Czechoslovak Journal of Physics. 2000; 50 (Suppl. S1): 401-8.
 17. Bazhanov NA, ..., Dzyubak AP, ..., et al.. Frozen spin solid targets developed at the Laboratory of Nuclear Problems (JINR, Dubna), Nucl. Instr. Meth. Sec.A(2-3); 1998: 402, 484-7.
 18. Hausner R, ..., Dzyubak AP, ..., et al.. A movable polarized target for high energy spin physics experiments, Nucl. Instr. Meth. 1996; A 372: 349-51.
 19. Lehar F, ..., Dzyubak AP, ..., et al.. The movable polarized target as a basic equipment for high energy spin physics experiments at the JINR-Dubna accelerator complex, Nucl. Instr. Meth. 1995; A 356: 58-61.
 20. Vertii A, ..., Dzyubak AP, ..., et al.. Spectral characteristics of ammonia irradiated at 90 K, Sov. Phys. Dokl. 1990; 35: 899-901.
 21. Agababian KS, ..., Dzyubak AP, ..., et al.. Measurement of polarization parameters Σ , T , and P in photoproduction of π^0 at energies $E_\gamma = 0.9 - 1.35$ GeV, Sov. J. Nucl. Phys. 1989; 50(5): 834-7.
 22. Belyaev AA, Dzyubak AP, Lukhanin AA. Manufacturing the ammonium samples for Polarized Targets, Problems of Nuclear Physics and Cosmic Rays (Kharkov University Press). 1987; 28: 45-7 (in Russian).
 23. Dzyubak AP, Karnaukhov IM, Lukhanin AA, and A.Yu. Neffa. Cryogenic installation. Author certificate of the USSR # 1398550. Bulletin of the Discovery and Invention USSR. 1989; 28: 272 (in Russian).
 24. V.I. Sharov, ..., Dzyubak AP, ..., et al.. Measurements of energy behavior of spin-dependent np observables over a GeV region. Results and prospects. Dubna DELTA-SIGMA experiment, Czechoslovak Journal of Physics. 2001; 51(1) A: A87-A96.
 25. V.I. Sharov, ..., Dzyubak AP, ..., et al.. Measurements of the neutron-proton total cross section difference $\Delta\sigma_L(np)$ at 1.59, 1.79 and 2.20 GeV, Czechoslovak Journal of Physics. 2000; 50 (Part 2, Suppl. 1): 325-30.
 26. Sharov VI, ..., Dzyubak AP, ..., et al.. Measurements of the np total cross-section difference $\Delta\sigma_L$ at 1.59, 1.79 and 2.20 GeV, Eur. Phys. 2000; J. C 13: 255-65.
 27. Adiashevich BP, ..., Dzyubak AP, ..., et al.. Measurement of the total cross section difference $\Delta\sigma_L$ in np transmission at 1.19, 2.49 and 3.65 GeV, Z. Phys. 1996; C 71: 65-74.
 28. Ball J, ..., Dzyubak AP, ..., et al.. Proton and neutron polarized targets for nucleon-nucleon experiments at SATURNE II, Nucl. Instr. Meth. 1996; A 381: 4-14.
 29. CLAS Collaboration (Nozar M, ..., Dzyubak AP, ..., et al.). Search for the Photoexcitation of Exotic Mesons in the $\pi^+\pi^+\pi^-$ System. Phys. Rev. Lett. 2009; 102: 102002-7.
 30. CLAS Collaboration (Gavalian G ..., Dzyubak OP, ... et al.). Beam spin asymmetries in

- deeply virtual Compton scattering (DVCS) with CLAS at 4.8 GeV, Phys. Rev. 2009; C 80: 035206-19.
31. CLAS Collaboration (Osipenko M..., Dzyubak OP, ... et al.). Measurement of semi-inclusive π^+ electroproduction off the proton, Phys. Rev. 2009; D 80: 032004-36.
 32. CLAS Collaboration (Lachniet J ..., Dzyubak OP, ... et al.). Precise Measurement of the Neutron Magnetic Form Factor G_M^n in the Few-GeV² Region, Phys. Rev. Lett. 2009; 102: 192001-6.
 33. CLAS Collaboration (Nozar M ..., Dzyubak OP, ... et al.). Search for the Photoexcitation of Exotic Mesons in the $\pi^+ \pi^+ \pi^-$ System, Phys. Rev. Lett. 2009; 102: 102002-7.
 34. CLAS Collaboration (Battaglieri M ..., Dzyubak OP, ... et al.). Measurement of Direct $f_0(980)$ Photoproduction on the Proton, Phys. Rev. Lett. 2009; 102: 102001-6.
 35. CLAS Collaboration (Prok Y ..., Dzyubak OP, ... et al.). Moments of the spin structure functions g_1^d and g_1^p for $0.05 < Q^2 < 3.0$ GeV², Phys. Lett. 2009; B 672: 12-16.
 36. CLAS Collaboration (Fedotov GV ..., Dzyubak OP, ... et al.). Electroproduction of $p \pi^+ \pi^-$ off protons at $0.2 < Q^2 < 0.6$ GeV² and $1.3 < W < 1.57$ GeV with the CLAS detector, Phys. Rev. 2009; C 79: 015204-26.
 37. CLAS Collaboration (Aznauryan IG ..., Dzyubak OP, ... et al.). Electroexcitation of the Roper resonance for $1.7 < Q^2 < 4.5$ GeV² in $ep \rightarrow e n \pi^+$, Phys. Rev. 2008; C 78: 045209-15.
 38. CLAS Collaboration (Biselli AS ..., Dzyubak OP, ... et al.). First measurement of target and double spin asymmetries for $\vec{e} p \rightarrow e p \pi^0$ in the nucleon resonance region above the $\Delta(1232)$, Phys. Rev. 2009; C 78: 045204-14.
 39. CLAS Collaboration (Santoro JP, ..., Dzyubak OP, ... et al.). Electroproduction of $\phi(1020)$ mesons at $1.4 \leq Q^2 \leq 3.8$ GeV² measured with the CLAS spectrometer, Phys. Rev. 2008; C 78: 025210-23.
 40. CLAS Collaboration (Bosted PE, ..., Dzyubak OP, ... et al.). Ratios of $^{15}\text{N}/^{12}\text{C}$ and $^4\text{He}/^{12}\text{C}$ inclusive electroproduction cross sections in the nucleon resonance region, Phys. Rev. 2008; C 78: 015202-7.
 41. CLAS Collaboration (Wood MH, ..., Dzyubak OP, ... et al.). Light vector mesons in the nuclear medium, Phys. Rev. 2008; C 78: 015201-15.
 42. CLAS Collaboration (Nasseripour R, ..., Dzyubak OP, ... et al.). Polarized structure function σ_{LT}' for $^1\text{H}(\vec{e}, e K^+) \Lambda$ in the nucleon resonance region, Phys. Rev. 2008; C 77: 065208-22.
 43. CLAS Collaboration (Girod FX, ..., Dzyubak OP, ... et al.). Measurement of deeply virtual compton scattering beam-spin asymmetries, Phys. Rev. Lett. 2008; 100: 162002-6.
 44. CLAS Collaboration (Masi RD, ..., Dzyubak OP, ... et al.). Measurement of $ep \rightarrow e p \pi^0$ beam spin asymmetries above the resonance region, Phys. Rev. 2008; C 77: 162002.
 45. CLAS Collaboration (Ireland DG, ..., Dzyubak OP, ... et al.). Bayesian Analysis of Pentaquark Signals from CLAS Data, Phys. Rev. Lett. 2008; 100(5): 052001-5.
 46. CLAS Collaboration (Park K, ..., Dzyubak OP, ... et al.). Cross sections and beam asymmetries for $\vec{e} p \rightarrow e n \pi^+$ in the nucleon resonance region for $1.7 \leq Q^2 \leq 4.5$ GeV², Phys. Rev. 2008; C 77: 015208-24.
 47. CLAS Collaboration (Nasseripour R., ..., Dzyubak OP, ... et al.). Search for Medium Modifications of the ρ Meson, Phys. Rev. Lett. 2007; 99: 262302-7.

48. CLAS Collaboration (Mibe T, ..., [Dzyubak OP](#), ... et al.). Measurement of coherent Φ -meson photo-production from the deuteron at low energies, Phys. Rev. 2007; C 76: 052202-7.
49. CLAS Collaboration (Dugger M, ..., [Dzyubak OP](#), ... et al.). π^0 photoproduction on the proton for photon energies from 0.675 to 2.875 GeV, Phys. Rev. 2007; C 76: 025211-26.
50. CLAS Collaboration (Guo L, ..., [Dzyubak OP](#), ... et al.). Cascade production in the reactions $\gamma p \rightarrow K^+ K^+(X)$ and $\gamma p \rightarrow K^+ K^+ \pi^-(X)$, Phys. Rev. 2007; C 76: 025208-18.
51. CLAS Collaboration (Denizli H, ..., [Dzyubak OP](#), ... et al.). Q2 dependence of the S11 (1535) photo-coupling and evidence for a P-wave resonance in η electroproduction, Phys. Rev. 2007; C 76: 015204-17.
52. CLAS Collaboration (Egiyan KS, ..., [Dzyubak OP](#), ... et al.). Experimental Study of Exclusive $2H(e, e p)n$ Reaction Mechanisms at High Q2 , Phys. Rev. 2007; Lett. 98: 262502-7.
53. CLAS Collaboration (Hleiqawi I, ..., [Dzyubak OP](#), ... et al.). Cross section for the $\gamma p \rightarrow K^* \Sigma^+$ reaction at $E_\gamma = 1.7-3.0$ GeV, Phys. Rev. 2007; C 75: 042201-6.
54. CLAS Collaboration (Ambrozewicz P, ..., [Dzyubak OP](#), ... et al.). Separated structure functions for the exclusive electroproduction of $K^+ \Lambda$ and $K^+ \Sigma^0$ final states, Phys. Rev. 2007; C 75: 045203-28.
55. CLAS Collaboration (Bradford RK, ..., [Dzyubak OP](#), ... et al.). First measurement of beam-recoil observables Cx and Cz in hyperon photoproduction, Phys. Rev. 2007; C 75: 035205-24.
56. CLAS Collaboration (Bosted P.E., ..., [Dzyubak OP](#), ... et al.). Quark-hadron duality in spin structure functions g_1^p and g_1^d , Phys. Rev. 2007; C 75: 035203-9.
57. CLAS Collaboration (Ungaro M, ..., [Dzyubak OP](#), ... et al.). Measurement of the $N \rightarrow \Delta^+$ (1232) Transition at High-Momentum Transfer by π^0 Electroproduction, Phys. Rev. 2006; Lett. 97: 112003-8.
58. CLAS Collaboration (Kubarovsky V, ..., [Dzyubak OP](#), ... et al.). Search for Θ^{++} Pentaquarks in the Exclusive Reaction $\gamma p \rightarrow K^+ K^- p$, Phys. Rev. Lett. 2006; 97: 102001-5.
59. CLAS Collaboration (Chen S, ..., [Dzyubak OP](#), ... et al.). Measurement of Deeply Virtual Compton Scattering with a Polarized-Proton Target, Phys. Rev. Lett.; 2006; 97(7): 072002-6.
60. CLAS Collaboration (Vita RD, ..., [Dzyubak OP](#), ... et al.). Search for the Θ^+ pentaquark in the reactions $\gamma p \rightarrow \bar{K}^0 K^+ n$ and $\gamma p \rightarrow \bar{K}^0 K^0 p$, Phys. Rev. 2006; D 74: 032001-16.
61. CLAS Collaboration (Niccolai S, ..., [Dzyubak OP](#), ... et al.). Search for the Θ^+ Pentaquark in the $\gamma d \rightarrow \Lambda^0 n K^+$ Reaction Measured with the CLAS Spectrometer, Phys. Rev. Lett. 2006; 97(3): 032001-6.
62. CLAS Collaboration (McKinnon B, ..., [Dzyubak OP](#), ... et al.). Search for the Θ^+ Pentaquark in the $\gamma d \rightarrow p K^- K^+ n$, Phys. Rev. Lett. 2006; 96(21): 212001-6.
63. CLAS Collaboration (Osipenko R, ..., [Dzyubak OP](#), ... et al.). Measurement of the deuteron structure function F2 in the resonance region and evaluation of its moments, Phys. Rev. 2006; C 73: 045205-26.
64. CLAS Collaboration (Klimenko AV, ..., [Dzyubak OP](#), ... et al.). Electron scattering from high-momentum neutrons in deuterium, Phys. Rev. 2006; C 73: 035212-25.
65. CLAS Collaboration (Egiyan KS, ..., [Dzyubak OP](#), ... et al.). Measurement of Two- and Three-Nucleon Short-Range Correlation Probabilities in Nuclei, Phys. Rev. 2006; Lett.

- 96(8): 082501-6.
66. CLAS Collaboration (Bradford R, ..., [Dzyubak OP](#), ... et al.). Differential cross sections for $\gamma+p \rightarrow K^+Y$ for Λ and Σ^0 hyperons, Phys. Rev. 2006; C 73: 035202-37.
 67. CLAS Collaboration (Dugger M, ..., [Dzyubak OP](#), ... et al.). η Photoproduction on the Proton for Photon Energies from 1.527 to 2.227 GeV, Phys. Rev. Lett. 2006; 96(6): 062001-6.
 68. CLAS Collaboration (Battaglieri M, ..., [Dzyubak OP](#), ... et al.). Search for Θ^+ (1540) Pentaquark in High-Statistics Measurement of $\gamma p \rightarrow K^0 K^+ n$ at CLAS, Phys. Rev. 2006; Lett. 96(4): 042001-6.
 69. CLAS Collaboration (Egiyan H, ..., [Dzyubak OP](#), ... et al.). Single π^+ electroproduction on the proton in the first and second resonance regions at $0.25 \text{ GeV} < Q^2 < 0.65 \text{ GeV}^2$, Phys. Rev. 2006; C 73: 025204-35.
 70. CLAS Collaboration (Morand L, ..., [Dzyubak OP](#), ... et al.). Deeply Virtual and Exclusive Electro-production of ω Mesons, Eur. Phys. 2005; J A 24: 445-458.
 71. CLAS Collaboration (Joo K, ..., [Dzyubak OP](#), ... et al.). Measurement of the polarized structure function σ_{LT} for pion electroproduction in the Roper-resonance region, Phys. Rev. 2005; C 72: 058202-6.
 72. CLAS Collaboration (Strauch S, ..., [Dzyubak OP](#), ... et al.). Beam-Helicity Asymmetries in Double-Charged-Pion Photoproduction on the Proton, Phys. Rev. 2005; Lett. 95(16): 162003-7.
 73. CLAS Collaboration (Price JW, ..., [Dzyubak OP](#), ... et al.). Exclusive photoproduction of the cascade (Ξ) hyperons, Phys. Rev. 2005; C 71: 058201-6.
 74. CLAS Collaboration (Taylor S, ..., [Dzyubak OP](#), ... et al.). Radiative decays of the Σ^0 (1385) and $\Lambda(1520)$ hyperons, Phys. Rev. 2005; C 71: 054609-22.
 75. CLAS Collaboration (Protopopescu D, ..., [Dzyubak OP](#), ... et al.). Survey of ALT asymmetries in semi-exclusive electron scattering on ^4He and ^{12}C , Nucl. Phys. 2005; A 748: 357-373.
 76. CLAS Collaboration (Hadjidakis C, ..., [Dzyubak OP](#), ... et al.). Exclusive ρ^0 meson electroproduction from hydrogen at CLAS, Phys. Lett. 2005; B 605: 256-264.
 77. CLAS Collaboration (Rossi P, ..., [Dzyubak OP](#), ... et al.). Onset of Asymptotic Scaling in Deuteron Photodisintegration, Phys. Rev. 2005; Lett. 94: 012301-5.
 78. CLAS Collaboration (Stavinsky AV, ..., [Dzyubak OP](#), ... et al.). Proton Source Size Measurements in the $eA \rightarrow e'ppX$ Reaction, Phys. Rev. Lett. 2004; 93: 192301-6.
 79. CLAS Collaboration (Niccolai S, ..., [Dzyubak OP](#), ... et al.). Complete measurement of three-body photodisintegration of ^3He for photon energies between 0.35 and 1.55 GeV, Phys. Rev. 2004; C 70: 064003-20.
 80. CLAS Collaboration (Joo K, ..., [Dzyubak OP](#), ... et al.). Measurement of the polarized structure function σ_{LT} for $p(\bar{e}, e' \pi^+)n$ in the $\Delta(1232)$ resonance region, Phys. Rev. 2004; C 70: 042201-6.
 81. CLAS Collaboration (Mirazita M, ..., [Dzyubak OP](#), ... et al.). Complete angular distribution measurements of two-body deuteron photodisintegration between 0.5 and 3 GeV, Phys. Rev. 2004; C 70: 014005-16.
 82. CLAS Collaboration (Avakian H, ..., [Dzyubak OP](#), ... et al.). Measurement of beam-spin asymmetries for π^+ electroproduction above the baryon resonance region, Phys. Rev. 2004; D 69: 112004-10.
 83. CLAS Collaboration (McCormick K, ..., [Dzyubak OP](#), ... et al.). Tensor polarization of

- the ϕ meson photoproduced at high t , Phys. Rev. 2004; C 69: 032203-7.
84. CLAS Collaboration (Niyazov RA, ..., Dzyubak OP, ... et al.). Two-Nucleon Momentum Distributions Measured in ${}^3\text{He}(e, e'pp)n$, Phys. Rev. Lett. 2004; 92: 052303-7.
 85. CLAS Collaboration (Kubarovsky V, ..., Dzyubak OP, ... et al.). Observation of an Exotic Baryon with $S = +1$ in Photoproduction from the Proton, Phys. Rev. Lett. 2004; 92: 032001-5.
 86. CLAS Collaboration (Stepanyan S, ..., Dzyubak OP, ... et al.). Observation of an Exotic $S = +1$ Baryon in Exclusive Photoproduction from the Deuteron, Phys. Rev. Lett. 2003; 91: 252001-5.
 87. CLAS Collaboration (Joo K, ..., Dzyubak OP, ... et al.). Measurement of the polarized structure function σ_{LT} for $p(\bar{e}, e'p)\pi^0$ in the $\Delta(1232)$ resonance region, Phys. Rev. 2003; C 68: 032201-5.
 88. CLAS Collaboration (Egiyan KS, ..., Dzyubak OP, ... et al.). Observation of nuclear scaling in the $A(e, e')$ reaction at $x_B > 1$, Phys. Rev. 2003; C 68: 014313-22.
 89. CLAS Collaboration (Carman DS, ..., Dzyubak OP, ... et al.). First Measurement of Transferred Polarization in the Exclusive $\bar{e}p \rightarrow e'K^+\Lambda$ Reaction, Phys. Rev. Lett. 2003; 90: 131804-9.

Books and book chapters

1. Orlov AA, Krasnov VP, Pristchepa AL, Dzyubak SN, Gubin YI, Hvorost PP, Dzyubak AP, Sorokin PV, Popov VF. Investigation of possibility of medicines pollution by man caused radionuclides, In: Process Engineering and Standardization of Medicines v.2, V.P. Georgievskii ed., RIREG Publishing Group, ISBN-10: 966-95824-0-7, 550-557, 2000. (In Russian).

Abstracts and letters

1. Primak AN, Dong Y, Dzyubak OP, Jorgensen SM, McCollough CH, Ritman EL. A Technical Solution to Avoid Partial Scan Artifacts in Myocardial Perfusion Imaging using MDCT, 49-th AAPM Annual Meeting, July 22-26, 2007, Minneapolis Convention Center, Minneapolis, MN, USA. Medical Physics. 2007; 34(6): 2345.
2. Dzyubak OP, Primak AN, Takahashi N, Vrtiska TJ, Hartman RP, Kawashima A, Fletcher JG, Yu L, and McCollough CH. The use of CT dual-energy subtraction imaging to detect kidney stones amid iodinated contrast material, 49-th AAPM Annual Meeting, July 22-26, 2007, Minneapolis Convention Center, Minneapolis, MN, USA. Medical Physics. 2007; 34(6): 2555.
3. Brown CL, Hartman RP, Dzyubak OP, Takahashi N, Kawashima A, McCollough CH, Primak AN, Bruesewitz MR, Fletcher JG. Dual-Energy CT Iodine Overlay Technique for Characterization of Renal Masses as Cyst or Solid: A Phantom Feasibility Study, RSNA, November 25-30, 2007, Chicago, IL. In: RSNA 2007 93-rd Scientific Assembly and Annual Meeting. 2007: 301.
4. McDonald E, Fletcher JG, Dzyubak OP, Bruesewitz MR, Siddiki H, McCollough CH. Use of 80 kV Tube Energy in Perfusion CT: When is it OK?, RSNA, November 25-30, 2007, Chicago, IL. In: RSNA 2007 93-rd Scientific Assembly and Annual Meeting. 2007: 626.

5. Primak A, Dong Y, Dzyubak OP, Jorgensen SM, McCollough CH, Ritman EL. Methods to reduce or eliminate partial scan artifacts in cardiac CT, RSNA, November 25-30, 2007, Chicago, IL. In: RSNA 2007 93-rd Scientific Assembly and Annual Meeting. 2007: 502.
6. Yu L, Primak A, Dzyubak OP, Liu X, McCollough CH. Dual-source dual-energy CT (DECT) combined images can provide improved image quality relative to single-energy CT with no increase in patient dose, RSNA, November 25-30, 2007, Chicago, IL. In: RSNA 2007 93-rd Scientific Assembly and Annual Meeting. 2007: 269.
7. Dzyubak O, Djalali C, Tedeschi D. Medical applications of polarization techniques developed for Nuclear and Particle Physics, South Carolina Academy of Science, 77th Annual Meeting, March 15-16, 2005, Rock Hill, South Carolina, Journal of the South Carolina Academy of Science. 2005; 3(1): 57-62.
8. Dzyubak O, Dzyubak S. Low level measurements of radioactive residuals as spin-offs from High Energy and Particle Physics to the Medicine and Nutrition Quality Control Service, South Carolina Academy of Science, 77-th Annual Meeting, March 15-16, 2005, Rock Hill, South Carolina, Journal of the South Carolina Academy of Science 2005; 3(1): 63-69.
9. Dzyubak O, Djalali C, Strauch S and Tedeschi D. Magnet and beam studies for the JLab Hall-B Frozen Spin Polarized Target, XI-th International Workshop on Polarized Sources and Targets, November 14-17, 2005, Tokyo, Japan., Published in: "Polarized sources and targets", Proc. of the 11-th Int. Workshop. 2007: 59-62.
10. Keith CD, Seely ML, Dzyubak O. Design of a Frozen Spin Target for CLAS, GDH-2004, Proceedings of the Third International Symposium on the Gerasimov-Drell-Hearn Sum Rule and its Extensions, June 2-5. 2004: 201-205.
11. Dzyubak O, Djalali C, Recalde N, and Tedeschi D. Design of internal superconducting holding magnet for the JLAB Hall-B frozen spin polarized target, 9th Inter. Workshop on Polarized Solid Targets & Techniques, October 27 - 29, 2003, Physikzentrum of Bad Honnef, Germany. Published In: Nucl. Instr. Meth. in Phys. Res. 2004; A526: 132-137.
12. Belyaev AA, ..., Dzyubak AP, ..., et al.. Millimeter magnetic spectroscopy of paramagnetic complexes Cr(V), MSMW'2001 Symposium Proceedings, Kharkov, Ukraine, June 4-9, 2001, p. 826-828, (in Russian).
13. Belyaev AA, Dzyubak AP, Lukhanin AA, Sorokin PV. Calculation of the deuteron polarization value based on the NMR-line shape analysis, Information technology: science, technique, technology, education, health. Kharkov Polytechnical University. 1998; 6(4):253-256 (in Russian).
14. Durand G, Dzyubak AP, Benda B, Ball J, Usov Y, and Janout Z. The optimal conditions of the LiH and LiD preparation as a target material, 12th Int. Symp. on High Energy Spin Physics, Vrije Universiteit Amsterdam, The Netherlands, 10-14 Sept. 1996: 251.
15. Anischenko NG, ..., Dzyubak AP, ..., et al.. A new movable polarized target at Dubna, AIP Conf. Proc. 1995; v.343: 572-5.
16. Belyaev AA, ..., Dzyubak AP, ..., et al.. A cryostat for samples irradiations in liquid argon, 9-th Intern. Symp. on High Spin Energy Physics. Held at Bonn, FRG, (6-15 Sep, 1990), Conf. Proc. 1990; v.2: 257-260.
17. Androsov VP, ..., Dzyubak AP, ..., et al.. New polarized target facility at the Kharkov Institute of Physics and Technology, 9-th Int. Symp. on High Spin Energy Physics. Held at Bonn, FRG, (6-15 Sep., 1990), Conf. Proc. 1990; v.2: 253-256.
18. Belyaev AA, ..., Dzyubak AP, ..., et al.. A Study of polarization in irradiated ammonia,

- Conf. Proc. III-Workshop on high spin energy physics. 5-8 Sept., 1989, Protvino, Russia, 1990; v.2: 397-401 (in Russian).
19. Belyaev AA, ..., Dzyubak AP, ..., et al.. A study of spectral characteristics of ammonia irradiated at 90K, Conf. Proc. III-Workshop on High Spin Energy Physics. Protvino, 5-8 Sept. 1989; Conf. Proc., 1990; 2: 395-6.
 20. Belyaev AA, ..., Dzyubak AP, ..., et al.. A study of T -asymmetry of reaction $\gamma N \rightarrow \pi\pi$ on deuteron polarized target, Conf. Proc. III-Workshop on High Spin Energy Physics, 5-8 Sept., 1989, Protvino, Russia. 1990; v.2: 207-209 (in Russian).
 21. Androssov VP, ..., Dzyubak AP, ..., et al.. Polarization evolution in ND₃, AIP Conf. Proc. 1989; v.187: 1346-1351.
 22. Belyaev AA, ..., Dzyubak AP, ..., et al.. A study of proton polarization in ammonia (NH₃) under irradiation and annealing, AIP Conf. Proc. 1989; v.187: 1336-1346.
 23. Karnaukhov IM, ..., Dzyubak AP, ..., et al.. Dynamical polarization of protons and deuterons in irradiated samples of NH₃ and ND₃ at temperatures 1.0 and 0.5 K, Conf. Proc. VII Int. Symp. on High Energy Spin Physics. Protvino, Russia. 1986; v.2: 221-223 (in Russian).

Technical Reports (non peer-reviewed)

1. Byelyayev A, Dzyubak O, Lukhanin O. Simulations of Q-meter for precise measurements of proton polarization for the JLAB Frozen Spin Target, JLab CLAS Notes, CLAS-NOTE 2006-002, 20p., Newport News, VA, USA, 2006.
2. Byelyayev A, Dzyubak O, Lukhanin O. Polarized Target technologies developed at National Science Center Kharkov Institute of Physics and Technology (Kharkov, Ukraine) and their possible applications for the FROST project at JLAB Hall-B, JLab CLAS Notes, CLAS-NOTE 2006-003, 29p., Newport News, VA, USA, 2006.
3. Dzyubak O, Djalali C, and Tedeschi D. GEANT simulation of beam heat deposition in Hall-B Frozen Spin Polarized Target, JLab CLAS Notes, CLAS-NOTE 2005-015, 14p., Newport News, VA, USA, 2005
4. Dzyubak O, Djalali C, and Tedeschi D. Precise field map measurements for Hall-B Frozen Spin Target Polarizing Magnet, JLab CLAS Notes, CLAS-NOTES 2004-023, 20p., Newport News, VA, USA, 2004.
5. Dzyubak O. Notes about Holding Magnet System for the Hall-B Frozen Spin Polarized Target, JLab CLAS Notes, CLAS-NOTES 03-002, 19p., Newport News, VA, USA, 2003.
6. Blaszczyk L, ..., Dzyubak O, ..., Vineyard MF. Measurement of $\pi^+ \pi^-$ photoproduction in double-polarization experiments using CLAS, Jefferson Lab Proposal E-06-013.
7. Ball J, ..., Dzyubak O, ..., Kouznetsov V. Measurement of polarization observables in η -photoproduction with CLAS, Jefferson Lab Proposal E-05-012.
8. Sober D, ..., Dzyubak O, ..., Jenkins D. Helicity Structure of Pion Photoproduction, Jefferson Lab Proposal E-04-102.
9. Arndt RA, ..., Dzyubak O, ..., Jenkins D. Pion Photoproduction from a Polarized Target, Jefferson Lab Proposal E-03-105.
10. Klein F, ..., Dzyubak O, ..., Crabb DG. Search for Missing Nucleon Resonances in Hyperon Photo-production, Jefferson Lab Proposal E-02-112.
11. Berezovoj VP, Bolotin YL, Dzyubak OP, Yanovsky VV, and Zhiglo AV. Stochastic

- resonance in a periodically modulated dissipative nuclear dynamics, Fermilab Preprints, FERMILAB-CONF-01-009-T, Jan (2001) P.8.
12. Berezovoj VP, Bolotin YL, Dzyubak OP, Yanovsky VV, Zhiglo AV. Stochastic Resonance in a Periodically Modulated Dissipative Nuclear Dynamics, Cornell University Library, Nonlinear Sciences, Chaotic Dynamics, 22 Jan 2001.
 13. Dzyubak SN, Gubin YI, Dzyubak OP, Sorokin PV, Popov VF, Orlov AA, Krasnov VP. Extraction of Cs-137 by alcohol-water solvents from plants containing cardiac glycosides, Cornell University Library, Physics, Medical Physics, 11 Feb 2001.
 14. Ball J, ..., Dzyubak OP, ..., et al.). Proton-proton data measured by the nucleon-nucleon collaboration at Saturne-II, Czech Technical University CTU Reports. 2000; 4(1): 247.
 15. Allgower C, ..., Dzyubak AP, ..., et al.). Programme nucleon-nucleon a Saturne II, Partie 3, E-225, Nouvelles de Saturne bf21, CEA, IN2P3, Saclay. 1997: 41-51.
 16. Averichev SA, ..., Dzyubak A, ..., et al.. Pure spin state measurements of energy dependences of total np cross section differences (Delta-Sigma Experiment), Report, JINR-LHE-0941-4, Dubna, Moscow, Russia, 1998.