

ПУБЛИКАЦИИ ЗА 2010 ГОД

NN	Авторы	Название работы	Точная ссылка на опублик. раб.
1	2	3	4
	В.Г.Вовченко		
1.	В. Г. Вовченко, В. В. Поляков, О. Я. Федоров.	Анализ данных по pp-рассеянию в интервале 100-1300 МэВ.	ЯФ, Т. 73, №3, С. 446-485 (2010).
2.	Л. А. Вайшнене, В. Г. Вовченко, Ю. А. Гавриков, А. А. Котов, В. И. Мурзин, В. В. Поляков, М. Г. Тверской, О. Я. Федоров, Ю. А. Честнов, А. В. Шведчиков, А. И. Щетковский.	Изотопический эффект в энергетических зависимостях полных сечений деления ядер изотопов свинца и ^{209}Bi протонами с энергией до 1 ГэВ.	Известия РАН, Сер. физ., Т. 74, №4, С. 534 - 537 (2010). "Bulletin of the Russian Academy of Sciences: Physics", Vol. 74, No. 4, P. 496 - 499 (2010).
3.	Л. А. Вайшнене, В. Г. Вовченко, Ю. А. Гавриков, В. И. Мурзин, В. В. Поляков, М. Г. Тверской, О. Я. Федоров, Ю. А. Честнов, А. В. Шведчиков, А. И. Щетковский.	Новые аппроксимации энергетических зависимостей полных сечений деления ядер ^{197}Au , ^{203}Tl , ^{208}Pb и ^{209}Bi протонами.	ЯФ, Т. 73, №12, С. 1-7 (2010).
	О.Л.Федин		
4.	О.Л.Федин Atlas TRT Collaboration.	The results of the TRT achieved in the 2004 ATLAS combined test beam.	To be published in JINST.
5.	О.Л.Федин Atlas Collaboration.	<u>Charged-particle multiplicities in pp interactions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector at the LHC,</u> ATLAS Collaboration.	<u>Phys Lett B 688</u> , Issue 1, 21-42
6.	О.Л.Федин Atlas Collaboration.	<u>The ATLAS Inner Detector commissioning and calibration.</u>	Accepted by EPJC (submitted 26 Apr 2010).
7.	О.Л.Федин ATLAS Collaboration.	Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC.	<i>Phys. Rev. Lett.</i> 105 (2010) 161801
8.	О.Л.Федин ATLAS Collaboration.	Performance of the ATLAS Detector using First Collision Data.	<i>J. High Energy Phys.</i> 09 (2010) 056

	В.П.Коптев		
9.	S. Dymov, ..., S.G. Barsov, S.M.	Mikirtychyants et al. Deuteron breakup $pd \rightarrow \{pp\}_{sn}$ with forward emission of a fast 1S_0 diproton.	Phys. Rev. C Vol. 81 (2010) 044001.
10.	Yu. Valdau, ..., S.G. Barsov, A.A. Dzyuba, V.P. Koptev, S.M. Mikirtychians <i>et al.</i>	Energy dependence of the $pp \rightarrow K^+n\Sigma^+$ reaction close to threshold.	Phys. Rev. C Vol. 81 (2010) 045208.
11.	D. Tsirkov, ..., A.A. Dzyuba, S.M. Mikirtychians, Yu. Valdau <i>et al.</i>	Energy dependence of hard bremsstrahlung production in proton-proton collisions in the $\Delta(1232)$ region.	J. Phys. G: Nucl. Part. Phys. Vol. 37 (2010) 105005.
12.	A. Polyanskiy, ..., A.A. Dzyuba, V.P. Koptev, S.M. Mikirtychians, Yu. Valdau <i>et al.</i>	Measurement of the in-medium ϕ -meson width in proton-nucleus collisions.	Accepted Phys. Lett. B Vol. (2010).
13.	С.Г. Барсов, С.И. Воробьев, Е.И. Головенчиц, А.А. Дзюба, Е.Н. Комаров, В.П. Коптев, С.А. Котов, В.А. Санина, Г.В. Щербаков. S.G. Barsov, S.I. Vorob'ev, E.I. Golovenchits, A.A. Dzyuba, E.N. Komarov, V.P. Koptev, S.A. Kotov, V.A. Sanina, and G.V.Shcherbakov.	Исследование редкоземельных манганитов и Манганатов с помощью μ SR-метода. Investigation of Rare-Earth Manganates and Manganites by the μ SR-Method.	Известия РАН. Серия физическая, 2010, т. 74, № 5, стр. 738 – 740. Bulletin of the Russian Academy of Sciences: Physics, 2010, Vol. 74, No. 5, pp. 705 – 707.
14.	С.И. Воробьев, Е.И. Головенчиц, Е.Н. Комаров, В.П. Коптев, С.А. Котов, В.А. Санина, Г.В. Щербаков. S.I. Vorob'ev, E.I. Golovenchits, V.P. Koptev, E.N. Komarov, S.A. Kotov, V.A. Sanina, and G.V.Shcherbakov.	Исследование EuMn_2O_5 с помощью μ SR-метода. Muon-Spin-Relaxation Investigation of EuMn_2O_5 .	Письма в ЖЭТФ, том 91, вып. 10, 2010, стр. 561 – 566. JETP Letters, 2010, Vol. 91, No. 10, pp. 512–517.
15.	A.L. Getalov, E.I. Golovenchits, E.N. Komarov, V.P. Koptev, S.A. Kotov, V.A. Sanina, G.V. Scherbakov, S.I. Vorobyev.	The investigation of the multiferroic GdMn_2O_5 by the μ SR method.	Принята к публикации в Journal of Physics: Condensed Matter.
16.	С.Е. Кучер, Н.К. Абросимов, С.И. Воробьев, Г.А. Рябов. S. E. Kucher, N. K. Abrosimov, S. I. Vorob'ev, and G. A. Ryabov., 2010, Vol. 36, No. 3, pp. 288–291.	Сглаживание и дифференцирование экспериментально измеренного распределения магнитного поля в зазоре электромагнита циклотрона. Smoothing and Differentiating Experimentally Measured Magnetic Field Distribution in the Gap of Cyclotron Electromagnet..	Письма в ЖТФ, 2010, том 36, вып. 6, стр. 86 – 94. Technical Physics Letters 2010, Vol. 36, No. 3, pp. 288–291.

	B.M.Самсонов		
17.	<u>V. Rebyakova</u> , (St. Petersburg Polytechnic Inst.) , <u>M. Strikman</u> , (Penn State U.) , <u>M. Zhalov</u> , (St. Petersburg, INP	The LHC potential for study of the small x gluon physics in ultraperipheral collisions of 3.5-TeV protons.	Phys.Rev.D81:031501,2010
18.	V.G. Riabov, Yu. G. Riabov, V.M. Samsonov, D.A. Ivanishchev, Ya. A. Berdnikov [et al.]	Transverse momentum dependence of η meson suppression in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV.	Phys. Rev. C. – 2010. –V.82. – P.011902
19.	V.G. Riabov, Yu. G. Riabov, V.M. Samsonov, D.A. Ivanishchev, Ya. A. Berdnikov [et al.] /	Azimuthal anisotropy of π^0 production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV: path-length dependence of jet quenching and the role of initial geometry.	Phys. Rev. Lett. – 2010. – V.105. –P.142301
20	V.G. Riabov, Yu. G. Riabov, V.M. Samsonov, D.A. Ivanishchev, Ya. A. Berdnikov [et al.]	Transition in yield and azimuthal shape modification in dihadron correlations in relativistic heavy ion collisions	Phys. Rev. Lett. – 2010. – V.104. –P.252301.
21.	V.G. Riabov, Yu. G. Riabov, V.M. Samsonov, D.A. Ivanishchev, Ya. A. Berdnikov [et al.]	Elliptic and hexadecapole flow of charged hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV.	Phys. Rev. Lett. –2010. – V.105. –P.062301.
22.	V.G. Riabov, Yu. G. Riabov, V.M. Samsonov, D.A. Ivanishchev, Ya. A. Berdnikov [et al.]	Transverse momentum dependence of J/psi polarization at mid-rapidity in p+p collisions at $\sqrt{s_{NN}} = 200$ GeV	Phys. Rev. D. –2010. –V.82. – P.012001
23.	V.G. Riabov, Yu. G. Riabov, V.M. Samsonov, D.A. Ivanishchev, Ya. A. Berdnikov [et al.]	High p_T direct photon and π^0 triggered azimuthal jet correlations in $\sqrt{s_{NN}} = 200$ GeV p+p collisions.	Phys. Rev. D. –2010. –V.82. – P.072001.
24.	V.G. Riabov, Yu. G. Riabov, V.M. Samsonov, D.A. Ivanishchev, Ya. A. Berdnikov [et al.]	Double helicity dependence of jet properties from dihadrons in longitudinally polarized p+p collisions at $\sqrt{s_{NN}} = 200$ GeV.	Phys. Rev. D. –2010. –V.81. – P.012002
25.	V.G. Riabov, Yu. G. Riabov, V.M. Samsonov, D.A. Ivanishchev, Ya. A. Berdnikov [et al.]	Detailed measurement of the e^+e^- pair continuum in p+p and Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV and implications for direct photon production.	Phys. Rev. C. –2010. – V.81. –P.034911.
26.	V.G. Riabov, Yu. G. Riabov, V.M. Samsonov, D.A. Ivanishchev, Ya. A. Berdnikov [et al.]	Enhanced production of direct photons in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV and implications for the initial temperature	Phys. Rev. Lett. –2010. – V.104. –P.132301.
27.	The PHENIX Collaboration (A. Adare et al.	Trends in Yield and Azimuthal Shape Modification in	Phys.Rev.Lett.104:252301,201

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28.	Д.О. Котов, Я.А. Бердников, В.Г. Рябов [и др]	Рождение ϕ -мезонов в столкновениях релятивистских протонов, ядер меди и ядер золота при энергии 62,4 ГэВ.	Научно-технические ведомости СПбГПУ. – 2010. – №1(94). – С. 103–109.
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30.	B.L.Birbrair, E.L.Kryshen	Incompressibility of nuclear matter and neutron stars.	Physics of Atomic Nuclei vol 73 No.9 pp.1550-1554, 2010.
31.	ALICE Collaboration K Aamodt.... V.Ivanov <i>et al.</i>	Midrapidity antiproton-to-proton ratio in pp collisions at $\sqrt{s}=0.9$ and 7 TeV measured by the ALICE experiment.	Phys.Rev.Lett. 105, 072002 (2010)
32.	ALICE Collaboration K Aamodt.... V.Ivanov <i>et al.</i>	Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC.	Phys.Lett. B693, 53 (2010)
33.	ALICE Collaboration K Aamodt.... V.Ivanov <i>et al.</i>	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks.	JINST 5, P03003 (2010)
34.	ALICE Collaboration K Aamodt.... V.Ivanov <i>et al.</i>	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s} = 7$ TeV with ALICE at LHC.	Eur.Phys.J. C68, 345 (2010)
35.	ALICE Collaboration K Aamodt.... V.Ivanov <i>et al.</i>	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s} = 0.9$ and 2.36 TeV with ALICE at LHC.	Eur.Phys.J. C68, 89 (2010)
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39.	V.Yevseyev.	Features of photoconductivity of Ge and Si with disordered	Modern Physics Letters B,

		regions.	Vol. 24, No. 31 (2010),p. 2985-2996
40.	Иванов В.В., Никулин В.Н., Роцин Е.В., Самсонов В.М.	Устройство для измерения натяжения анодных проволок в многопроволочных пропорциональных камерах.	Патент РФ на полезную модель №96238 от 20 июля 2010г
41.	ALICE Collaboration K Aamodt.... V.Ivanov <i>et al.</i>	Charged-particle multiplicity density at mid-rapidity in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Phys.Rev.Lett. 105, 232501, 2010
42.	ALICE Collaboration K Aamodt.... V.Ivanov <i>et al.</i>	Elliptic flow of charged particles in Pb-Pb collisions at 2.76 TeV.	Phys.Rev. Lett. 105, 232502, 2010
	В.В. Сумачев		
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57.	V.M. Abazov, ..., G. Alkhazov, A. Lobodenko, P. Neustroev, G. Odrant, Y. Scheglov, L. Uvarov, S. Uvarov et al.	Search for a resonance decaying into WZ boson pairs in $p\bar{p}$ collisions.	Phys. Rev. Lett. 104, 061801, 2010.
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