

ФНБИК МФТИ					
Кафедра физики и физического материаловедения					
Публикации сотрудников кафедры – 2016 год					
Статьи					
№	Авторы	Название статьи	Название журнала	Год издания	Том, номер, страницы
<b>Российские издания</b>					
1	А.С. Воробьев, А.М. Гагарский, О.А. Щербаков, Л.А. Вайшнене, <b>А.Л. Барабанов</b>	Угловые распределения и анизотропия осколков деления 233-U и 209-Bi, индуцированного нейтронами промежуточных энергий 1-200 МэВ	Письма в ЖЭТФ	2016	т. 104, вып. 6, с. 377-386
2	<b>E.Z. Meilikhov</b> , R.M. Farzetdinova	Structural phase transitions in isotropic magnetic elastomers	Journal of Experimental and Theoretical Physics	2016	v. 122, iss. 6, p. 1038-1046
3	<b>Е.З. Мейлихов</b> , Р.М. Фарзетдинова	Набросок аналитической теории многозадачности (можно ли усидеть на двух стульях)?	Нейроинформатика, М.: НИЯУ МИФИ	2016	с. 265-274
4	E.E. Saperstein, M. Baldo, <b>S.S. Pankratov</b> , <b>S.V. Tolokonnikov</b>	Phonon-particle coupling effects in single-particle energies of semi-magic nuclei	JETP Letters	2016	v. 104, p. 609-614
5	E.E. Saperstein, M. Baldo, <b>S.S. Pankratov</b> , <b>S.V. Tolokonnikov</b>	Phonon-particle coupling effects in odd-even double mass differences of semi-magic nuclei	JETP Letters	2016	v. 104, p. 743-748
6	E.E. Saperstein, M. Baldo, N.V. Gnezdilov, <b>S.V. Tolokonnikov</b>	Phonon-particle coupling effects in odd-even double mass differences of magic nuclei	Письма в ЖЭТФ	2016	т. 103, с. 3-8
7	Э.Е. Саперштейн, Э.Е. Борзов, <b>С.В. Толоконников..</b> -	Об аномальной А-зависимости зарядовых радиусов тяжелых изотопов кальция	Письма в ЖЭТФ	2016	т. 104, с. 216-221
<b>Зарубежные издания</b>					
8	<b>A.L. Barabanov</b> , O.A. Titov	Electromagnetic modulation of monochromatic neutrino beams	Journal of Physics: Conference Series	2016	v. 675, 012009, 4 pp.
9	V.R. Shaginyan, A.Z. Msezane, K.G. Popov, J.W. Clark, V.A. Khodel, <b>M.V. Zverev</b>	Topological basis for understanding the behavior of the heavy-fermion metal $\beta$ -YbAlB <sub>4</sub> under application of magnetic field and pressure	Physical Review B	2016	v. 93, 205126, 5 pp.
10	P.A. Sdvizhenskii, S.I. Krashenninnikov, <b>A.B. Kukushkin</b>	A Model of Self-similar Radiative Transfer in Resonance Lines for Testing the Edge Plasma Codes	Contributions to Plasma Physics	2016	v. 56, iss. 6-8, p. 669-674
11	<b>A.B. Kukushkin</b> , V.S. Neverov, A.G. Alekseev, S.W. Lisgo, A.S. Kukushkin	Synthetic H-Alpha Diagnostics for ITER: Inverse Problems and Error Estimations for Strong Non-Maxwellian Effects	Fusion Science and Technology	2016	v. 69, iss. 3, p. 628-642

		and Intense Divertor Stray Light			
12	<b>A.B. Kukushkin</b> , P.A. Sdvizhenskii	Automodel solutions for Lévy flight-based transport on a uniform background	Journal of Physics A: Mathematical and Theoretical	2016	v. 49, 255002
13	V.S. Neverov, A.B. Kukushkin, A.G. Alekseev	A method of interpreting the Balmer-alpha high-resolution spectroscopy for tokamak edge plasmas with account of divertor stray light	Journal of Physics: Conference Series	2016	v. 666, 012004
14	P.A. Sdvizhenskii, <b>A.B. Kukushkin</b> , G.S. Kurskiev, E.E. Mukhin, M. Bassan	Analysis of measurement errors for Thomson diagnostics of non-Maxwellian plasmas in tokamak reactors	Journal of Physics: Conference Series	2016	v. 666, 012006
15	E.E. Mukhin, P. Andrew, A.D. Anthoine, A.N. Bazhenov, R. Barnsley, I.M. Bukreev, V.L. Bukhovets, A.P. Chernakov, A.E. Gorodetsky, M.M. Kochergin, A.N. Koval, <b>A.B. Kukushkin</b> , A.S. Kukushkin, G.S. Kurskiev, M.G. Levashova, A.E. Litvinov, V.N. Litunovsky, A.V. Markin, I.V. Mazul, S.V. Masyukevich, I.V. Miroshnikov, A.S. Nemo, V, A.N. Novokhatsky, A.G. Razdobarin, E.V. Sherstnev, D.S. Samsonov, V.V. Semenov, A.S. Smirnov, G. De Temmerman, S.Yu. Tolstyakov, R.Kh. Zalavutdinov, M.J. Walsh	In situ monitoring hydrogen isotope retention in ITER first wall	Nuclear Fusion	2016	v. 56, 036017
16	E.E. Saperstein, <b>S.V. Tolokonnikov</b>	Self-consistent Theory of Finite Fermi Systems vs Skyrme-Hartree-Fock method. Spherical nuclei	EPJ Web of Conferences	2016	v. 107, 02001
17	<b>S.V. Tolokonnikov</b> , I.N. Borzov, M. Kortelainen, Yu.S. Lutostansky, E.E. Saperstein	Fayans functional for deformed nuclei. Uranium region	EPJ Web of Conferences	2016	v. 107, 02003
18	E.E. Saperstein, M. Baldo, N.V. Gnezdilov, <b>S.V. Tolokonnikov</b>	Phonon contributions to ab initio double mass differences of magic nuclei	Physical Review C	2016	v. 93, 034302
19	G.G. Adamian, N.V. Antonenko, H. Lenske, <b>S.V. Tolokonnikov</b> , E.E. Saperstein	Isotopic trends of nuclear surface properties of spherical nuclei	Physical Review C	2016	v. 94, 054309
20	K. Minamisono, D.M. Rossi, R. Beerwerth, S. Fritzsche, D. Garand, A. Klose, Y. Liu, B. Maa, P.F. Mantica, A.J. Miller, P. Muller, W. Nazarewicz, W. Nortershauser, E.Olsen, M.R. Pearson, P.-G. Reinhard, E.E. Saperstein, C. Sumithrarachchi, <b>S.V. Tolokonnikov</b>	Charge radii of neutron-deficient <sup>52,53</sup> Fe produced by projectile fragmentation	Physical Review Letters	2016	v. 117, 252501