

Список основных публикаций официального оппонента  
Саврухина Петра Всеволодовича  
по тематике диссертации Шевелева Александра Евгеньевича  
«Развитие методов гамма-спектроскопии для диагностики убегающих  
электронов в компактных токамаках»

1. П. В. Саврухин, Е. А. Шестаков, А. В. Храменков, Пространственно-временная эволюция ускоренных электронов при развитии неустойчивости срыва в плазме токамака Т-10, *Физика плазмы*, 2018, том 44, № 12, с. 951-960
2. E A Shestakov, P V Savrukhan, M I Ershova and A V Khramenkov, Generation of runaway electrons during the initial stage of the T-10 tokamak plasma discharge, *J. Phys.: Conf. Ser.*, 2018, 1094, 012004
3. V.A. Vershkov, D.V. Sarychev, G.E. Notkin, D.A. Shelukhin, M.A. Buldakov, Yu.N. Dnestrovskij, S.A. Grashin, N.A. Kirneva, V.A. Krupin, L.A. Klyuchnikov, A.V. Melnikov, S.V. Neudatchin, M.R. Nurgaliev, Yu.D. Pavlov, P.V. Savrukhan and T-10 team, Review of recent experiments on the T-10 tokamak with all metal wall, *Nuclear Fusion*, 57 (2017) 102017
4. П.В. Саврухин, Е.А. Шестаков, А.А. Борщеговский, А.И. Ермолаева, А.М. Какурин, С.Г. Мальцев, Ю.Д. Павлов, Д.В. Рыжаков, Д.В. Сарычев, Д.С. Сергеев, А.В. Сушкин, А.В. Храменков, Стабилизация срыва плазмы в токамаке Т-10 с использованием СВЧ-нагрева и системы индукционного поддержания тока, *Вопросы атомной науки и техники. Серия: Термоядерный синтез*, 2017 г. Том 40, Выпуск 4, с. 50-62
5. V.P. Budaev, Yu.V. Martynenko, S.A. Grashin, R.N. Giniyatulin, I.I. Arkhipov, A.V. Karpov, P.V. Savrukhan, E.A. Shestakov, R.Yu. Solomatin, L.B. Begrambekov, N.E. Belova, S.D. Fedorovich, L.N. Khimchenko, V.M. Safronov, Tungsten melting and erosion under plasma heat load in tokamak discharges with disruptions, *Nuclear Materials and Energy*, Volume 12, August 2017, Pages 418-422
6. E. A. Shestakov and P. V. Savrukhan, Effect of ECRH and resonant magnetic fields on formation of magnetic islands in the T-10 tokamak plasma, *Journal of Physics: Conf. Series*, 907 (2017) 012007
7. P. V. Savrukhan and E. A. Shestakov, Restoration of the plasma discharge during density limit disruptions in the T-10 tokamak using electron cyclotron heating and ohmic power supply system, *Physics of Plasmas*, 2016, 23, 112509
8. A.V. Melnikov, A.V. Sushkov, A.M. Belov, Yu.N. Dnestrovskij, L.G. Eliseev, A.V. Gorshkov, D.P. Ivanov, N.A. Kirneva, K.V. Korobov, V.A. Krupin, S.E. Lysenko, V.S. Mukhovatov, N.A. Mustafin, S.V. Perfilov, K.A. Razumova, I.N. Roy, P.V. Savrukhan, V.S. Strelkov, E.A. Shestakov, G.N. Tilinin, V.L. Vdovin, Physical program and diagnostics of the T-15 upgrade tokamak (brief overview), *Fusion Engineering and Design*, Volumes 96–97, October 2015, Pages 306-310
9. P. V. Savrukhan, E. A. Shestakov, A study on the effects of magnetohydrodynamic perturbations on nonthermal beam formation during the current decay phase of disruptions in the T-10 tokamak, *Nuclear Fusion* 55 (2015) 043016
10. P. V. Savrukhan, A. I. Ermolaeva, E. A. Shestakov, A. V. Khramenkov, Tomographic analysis of the nonthermal x-ray bursts during disruption instability in the T-10 tokamak, *Rev Sci Instrum*, 2014 Oct; 85(10):103508;
11. P. V. Savrukhan and E. A. Shestakov, Movable magnetic probe system in the T-10 tokamak, *Rev. Sci. Instrum.* 83, 013505 (2012);

12. B.V. Kuteev, E.A. Azizov, A.S. Bykov, A.Yu. Dnestrovsky, V.N. Dokuka, G.G. Gladush, A.A. Golikov, P.R. Goncharov, M. Gryaznevich, M.I. Gurevich, A.A. Ivanov, R.R. Khairutdinov, V.I. Khripunov, D. Kingham, A.V. Klishchenko, V.A. Kurnaev, V.E. Lukash, S.Yu. Medvedev, P.V. Savrukhan, V.Yu. Sergeev, Yu.S. Shpansky, A. Sykes, G. Voss and A.V. Zhirkin, Steady-state operation in compact tokamaks with copper coils, *Nuclear Fusion*, 2011, 51, 073013
13. P. V. Savrukhan, Nonthermal electrons during sawteeth and disruption instability in tokamaks, *Plasma Phys. Control. Fusion*, 48 (2006) B201-B210
14. P.V. Savrukhan, F. Porcelli, A.V. Sushkov, S.V. Tsau and V.V. Volkov, Analysis of the small-scale plasma perturbations during density limit disruptions in the T-10 tokamak, *Nuclear Fusion*, 44 (2004) 761
15. P.V. Savrukhan, V.V. Volkov, Quasicoherent Oscillations Induced by Nonthermal Electrons during Magnetic Reconnection in the T-10 Tokamak, *Phys. Rev. Lett.*, 92 (2004) 095002