Сведения о ведущей организации
по диссертации **Пшенова Андрея Алексеевича**
«Механизмы, асимметрия и устойчивость перехода диверторной плазмы токамака в режим детачмента», представленной на соискание ученой степени кандидата физико-математических наук
по специальности 01.04.08 – Физика плазмы

Полное название организации	Акционерное общество «Государственный научный центр Российской Федерации Троицкий институт инновационных и термоядерных исследований»
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1. Investigation of the edge plasma parameters and measurements of the plasma longitudinal rotation velocity by a Mach probe in a lithium experiment on the T-11M tokamak,
   Ya.A. Vasina, A.N. Shcherbak, Yu.M. Gasparyan, S.V. Mirnov.
   Plasma Physics Reports, Volume 44, Issue 7, 657-663 (2018)

2. Movement of the melt metal layer under conditions typical of transient Events in ITER,
   I.M. Poznyak, V.M. Safronov, V.Yu. Zybenko.
   Physics of Atomic Nuclei, Volume 80, Issue 7, pp. 1261-1267 (2017)

3. Behavior of divertor and first wall armour materials at plasma heat fluxes relevant to ITER ELMs and disruptions,
D.V. Kovalenko, N.S. Klimov, V.L. Podkovyrov, I.B. Kupriyanov, N.P. Poresanov, N.E. Zabirova, E.B. Bazaleev, V.M. Safronov, A.D. Muzichenko, A.B. Putrik, A.M. Zhitlukhin.
Nuclear Materials and Energy, Vol. 12, pp. 156-163 (2017)

4. Beryllium layer response to ITER-like ELM plasma pulses in QSPA-Be,
N.S. Klimov, V.L. Podkovyrov, I.B. Kupriyanov, J. Linke, R.A. Pitts, V.M. Safronov, D.V. Kovalenko, T. Loewenhoffc, C.P. Lungu, G. Pintsuk, G. De Temmerman, A.D. Muzichenko, A.A. Markin, P.N. Taratorkin, N.E. Zabirova, A.M. Zhitlukhin.
Nuclear Materials and Energy, Vol. 12, pp. 433-440 (2017)

5. Effects of the second X-point on hot VDE in HL-2M,
L. Xue, X.R. Duan, G.Y. Zheng, Y.Q. Liu, V.N. Dokuka, V.E. Lukash and R.R. Khayrutdinov.
Nuclear Fusion, Vol. 57, 056029 (2017)

6. Complex of lithium and tungsten limiters for 3 MW of ECR plasma heating in T-10 tokamak. Design, first results,
I.E. Lyublinski, A.V. Vertkov, M.Yu. Zharkov, S.V. Mirnov, V.A. Vershkov, Ya.V. Glazyuk, G.E. Notkin, S.A. Grashin, A.Ya. Kislov and A.T. Komov.
Nuclear Fusion, Vol. 57, 066006 (2017)

7. Local and integral forces on the vacuum vessel during thermal quench in the ITER tokamak,
R.R. Khayrutdinov, V.E. Lukash and V.D. Pustovitov.
Plasma Physics and Controlled Fusion, Vol. 58, 115012 (2016)

8. Numerical investigation of disruption characteristics for the snowflake divertor configuration in HL-2M,
L. Xue, X.R. Duan, G.Y. Zheng, Y.Q. Liu, Y.D. Pan, S.L. Yan, V.N. Dokuka, V.E. Lukash and R.R. Khayrutdinov.
Plasma Physics and Controlled Fusion, Vol. 58, 055005 (2016)

9. P_H/S – Tokamak's limit as a result of the plasma sheath breakdown,
S.V. Mirnov.
Plasma Physics and Controlled Fusion, Vol. 58, 022001 (2016)

10. Protection of tokamak plasma facing components by a capillary porous system with lithium,
I. Lyublinski, A. Vertkov, S. Mirnov, V. Lazarev.
Journal of Nuclear Materials, Vol. 463, pp. 1156-1159 (2015)

11. Erosion of beryllium under ITER - Relevant transient plasma loads,
I.B. Kupriyanov, G.N. Nikolaev, L.A. Kurbatova, N.P. Porezanov, V.L. Podkovyrov, A.D. Muzichenko, A.M. Zhitlukhin, A.A. Gervash, V.M. Safronov.
Journal of Nuclear Materials, Vol. 463, pp. 781-786 (2015)

12. Experimental test of the system of vertical and longitudinal lithium limiters on T-11M tokamak as a prototype of plasma facing components of a steady-state fusion neutron source,
S.V. Mirnov, A.M. Belov, N.T. Djigailo, A.S. Dzhurik, S.I. Kravchuk, V.B. Lazarev, I.E. Lyublinski, A.V. Vertkov, M.Yu. Zharkov and A.N. Shcherbak.
Nuclear Fusion, Vol. 55, 123015 (2015)

13. Conceptual design of divertor and first wall for DEMO-FNS,
V.Yu. Sergeev, B.V. Kuteev, A.S. Bykov, A.A. Gervash, D.A. Glazunov, P.R. Goncharov, A.Yu. Dnestrovskij, R.R. Khayrutdinov, A.V. Klishchenko, V.E. Lukash, I.V. Mazul, P.A. Molchanov, V.S. Petrov, V.A. Rozhansky, Yu.S. Shpanskiy, A.B. Sivak, V.G. Skokov and A.V. Spitsyn.
Nuclear Fusion, Vol. 55, 123013 (2015)

14. A Review of the Present Status and Future Prospects of the Application of Liquid Metals for Plasma-Facing Components in Magnetic Fusion Devices,
Y. Hirooka, G. Mazzitelli, S. Mirnov, M. Ono, M. Shimada and F. L. Tabares.
Fusion Science and Technology, Volume 68, Issue 3, pp. 477-383 (2015)

15. Plasma-facing materials erosion under ITER-like transient loads at QSPA plasma gun facility,
N.S. Klimov, V.L. Podkovyrov, A.M. Zhitlukhin, A.D. Muzichenko, D.V. Kovalenko, A.B. Putrik, I.B. Kupriyanov, R.N. Giniyatulin, A.A. Gervash, V.M. Safronov.
Fusion Science and Technology, Volume 66, Issue 1, pp. 118-124 (2014)